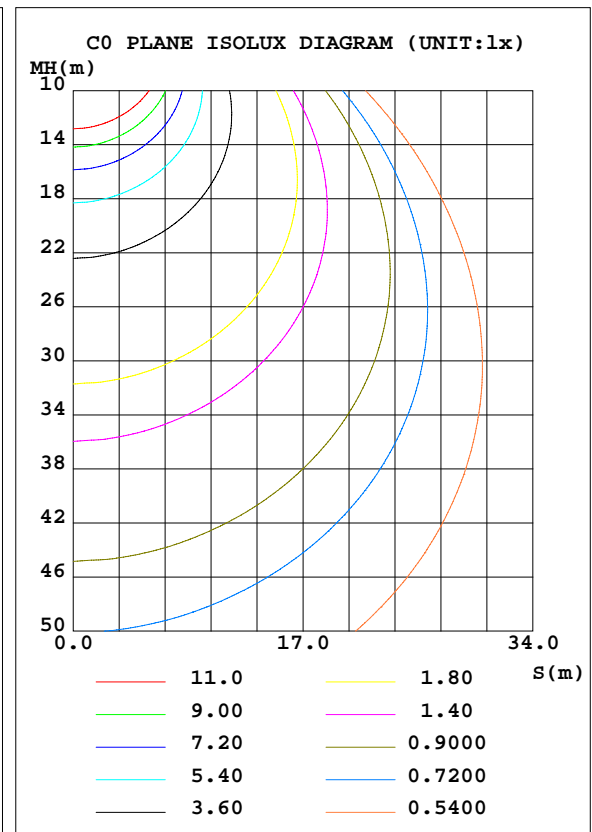
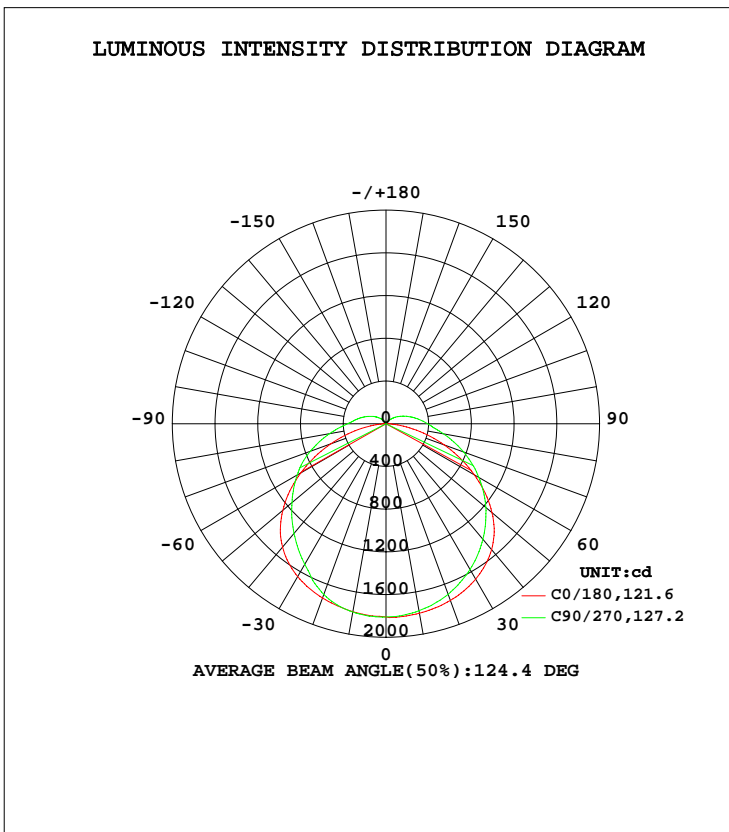


Tim Zhou

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.21V I:0.2692A P:60.440W PF:0.9751 Freq:50.00Hz Lamp Flux:6625.45x1 lm		
NAME: LED water proof light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:ED190909037L
MFR.: Vynco Industries (N.Z) Limited	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 109.62 lm/W			
MODEL	VUM5(F7258T-LS-B)	I _{max} (cd)	1815	S/MH(C0/180)	1.38
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.30
RATED VOLTAGE(V)		TOTAL FLUX(lm)	6625.5	η UP, DN(C0-180)	4.4,46.1
NOMINAL FLUX(lm)	6625.45	CIE CLASS	DIRECT	η UP, DN(C180-360)	4.1,45.4
LAMPS INSIDE	1	η up(%)	8.5	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)		η down(%)	91.5	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.2DEG
 Operators:SAM
 Test Date:2019-09-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity:56%
 Test Distance:30.000m [K=1.0000]
 Remarks: 4000K

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

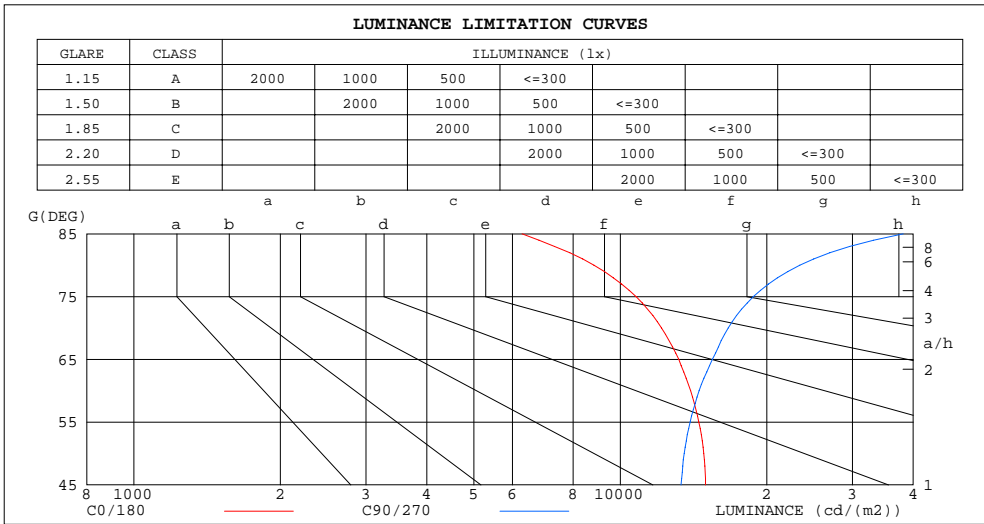
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum,lamp
10	1787	1791	1790	1786	1801	1786	1778	1765	0- 10	171.7	171.7	2.59,2.59
20	1737	1709	1702	1706	1761	1706	1700	1668	10- 20	495.6	667.3	10.1,10.1
30	1653	1568	1521	1576	1680	1571	1575	1521	20- 30	760.3	1428	21.5,21.5
40	1507	1382	1340	1402	1538	1387	1412	1337	30- 40	934.4	2362	35.7,35.7
50	1261	1170	1149	1198	1296	1169	1220	1126	40- 50	1001	3363	50.8,50.8
60	921.9	941.1	959.5	974.3	953.5	929.3	1004	895.1	50- 60	953.9	4317	65.2,65.2
70	549.4	706.6	753.1	740.0	580.5	680.7	774.1	654.8	60- 70	805.4	5122	77.3,77.3
80	202.6	479.4	536.5	504.3	227.6	440.5	546.7	424.7	70- 80	583.7	5706	86.1,86.1
90	16.02	296.1	359.7	312.4	17.23	276.8	390.4	277.8	80- 90	356.0	6062	91.5,91.5
100	14.42	204.0	269.1	220.0	12.50	190.1	291.2	193.7	90-100	228.8	6291	94.9,94.9
110	13.16	137.3	197.3	149.3	10.82	122.5	206.1	125.2	100-110	153.8	6444	97.3,97.3
120	10.01	86.05	137.9	93.11	8.760	71.12	137.2	71.55	110-120	94.70	6539	98.7,98.7
130	6.868	47.03	88.40	50.60	6.686	32.42	81.95	32.19	120-130	51.34	6590	99.5,99.5
140	5.299	16.81	46.86	18.85	5.814	6.122	35.62	5.733	130-140	23.16	6614	99.8,99.8
150	4.608	5.470	14.47	5.574	6.013	4.702	4.781	4.762	140-150	7.207	6621	99.9,99.9
160	4.789	4.927	4.675	4.878	7.408	5.352	4.962	5.332	150-160	2.438	6623	100,100
170	6.625	5.164	4.607	5.666	8.211	6.118	5.230	6.223	160-170	1.581	6625	100,100
180	4.684	4.684	4.684	4.684	12.70	12.70	12.70	12.70	170-180	0.5898	6625	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.2DEG
Operators:SAM
Test Date:2019-09-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366
Humidity:56%
Test Distance:30.000m [K=1.0000]
Remarks: 4000K

LUMINANCE LIMITATION CURVES

Test:U:230.21V I:0.2692A P:60.440W PF:0.9751 Freq:50.00Hz Lamp Flux:6625.45x1 lm		
NAME: LED water proof light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:ED190909037L
MFR.: Vynco Industries (N.Z) Limited	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	6278	38136
80	8828	23377
75	10774	18774
70	12152	16660
65	13185	15466
60	13949	14519
55	14498	13920
50	14846	13528
45	14970	13332

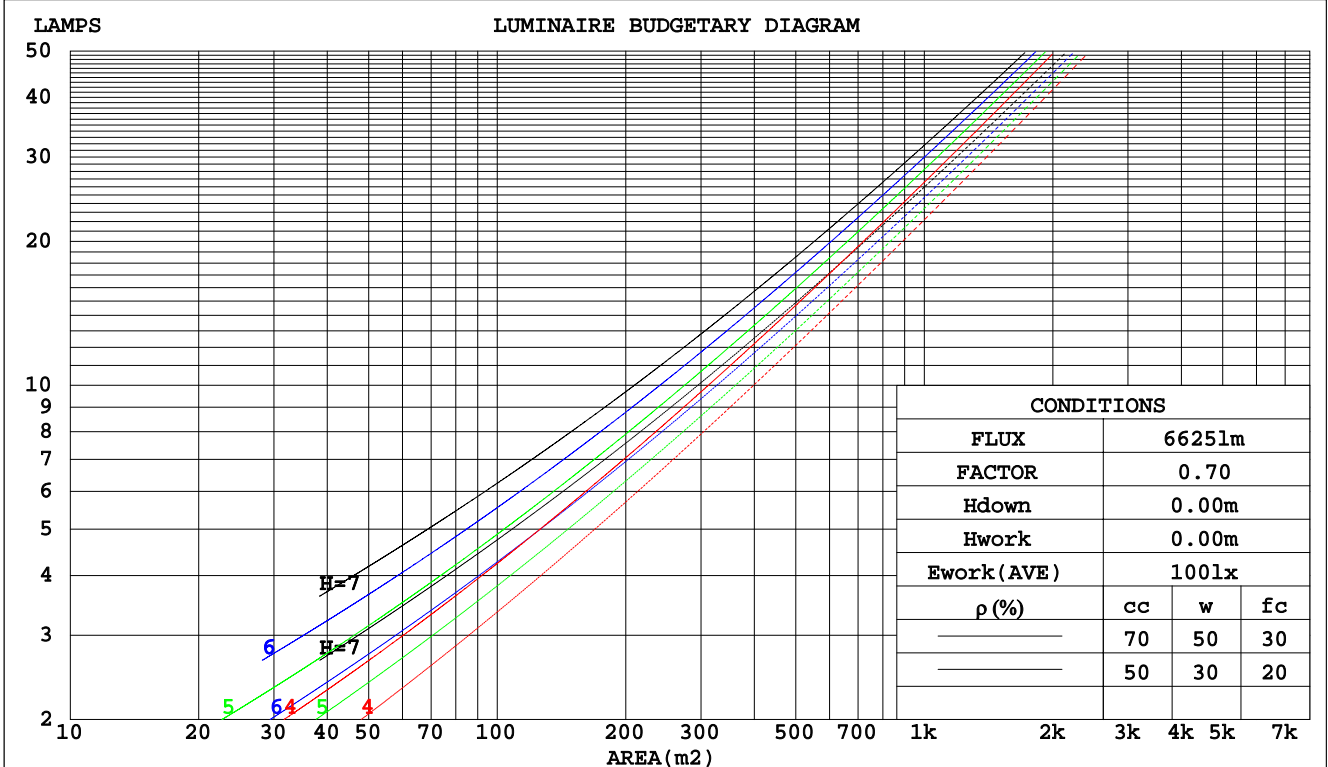
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.2DEG
 Operators:SAM
 Test Date:2019-09-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity:56%
 Test Distance:30.000m [K=1.0000]
 Remarks: 4000K

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.21V I:0.2692A P:60.440W PF:0.9751 Freq:50.00Hz Lamp Flux:6625.45x1 lm		
NAME: LED water proof light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:ED190909037L
MFR.: Vynco Industries (N.Z) Limited	SUR.:	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pw																
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.17	1.17	1.17	1.13	1.13	1.13	1.06	1.06	1.06	1.00	1.00	1.00	.94	.94	.94	.91
1.0	.99	.94	.90	.96	.92	.88	.90	.87	.83	.85	.82	.79	.80	.77	.75	.72
2.0	.85	.78	.72	.83	.76	.70	.78	.72	.67	.73	.68	.64	.69	.65	.62	.59
3.0	.74	.66	.59	.72	.64	.58	.68	.61	.55	.64	.58	.53	.60	.56	.51	.49
4.0	.66	.56	.49	.64	.55	.48	.60	.53	.47	.57	.50	.45	.53	.48	.44	.41
5.0	.58	.49	.42	.57	.48	.41	.54	.46	.40	.51	.44	.39	.48	.42	.38	.35
6.0	.52	.43	.36	.51	.42	.36	.48	.41	.35	.46	.39	.34	.43	.37	.33	.31
7.0	.47	.38	.32	.46	.38	.32	.44	.36	.31	.42	.35	.30	.39	.34	.29	.27
8.0	.43	.34	.28	.42	.34	.28	.40	.33	.27	.38	.31	.27	.36	.30	.26	.24
9.0	.39	.31	.25	.38	.31	.25	.37	.30	.24	.35	.29	.24	.33	.28	.23	.21
10.0	.36	.28	.23	.35	.28	.23	.34	.27	.22	.32	.26	.22	.31	.25	.21	.19



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.2DEG
 Operators: SAM
 Test Date: 2019-09-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity: 56%
 Test Distance: 30.000m [K=1.0000]
 Remarks: 4000K

WEC AND CCEC

Test:U:230.21V I:0.2692A P:60.440W PF:0.9751 Freq:50.00Hz Lamp Flux:6625.45x1 lm		
NAME: LED water proof light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:ED190909037L
MFR.: Vynco Industries (N.Z) Limited	SUR.:	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.359	.204	.065	.349	.199	.063	.330	.190	.061	.314	.181	.058	.298	.173	.056	
2.0	.320	.175	.054	.311	.171	.053	.295	.164	.051	.279	.157	.049	.265	.150	.047	
3.0	.288	.153	.046	.280	.150	.045	.266	.144	.044	.252	.138	.042	.239	.133	.041	
4.0	.262	.136	.040	.255	.133	.039	.241	.128	.038	.229	.123	.037	.218	.118	.036	
5.0	.239	.122	.035	.233	.120	.035	.221	.115	.034	.210	.111	.033	.200	.107	.032	
6.0	.220	.110	.032	.215	.108	.031	.204	.104	.030	.194	.101	.030	.184	.097	.029	
7.0	.204	.101	.029	.199	.099	.028	.189	.095	.028	.180	.092	.027	.171	.089	.026	
8.0	.189	.093	.026	.185	.091	.026	.176	.088	.025	.168	.085	.024	.160	.082	.024	
9.0	.177	.086	.024	.173	.084	.024	.165	.081	.023	.157	.079	.023	.150	.076	.022	
10.0	.166	.080	.022	.162	.078	.022	.155	.076	.021	.147	.073	.021	.141	.071	.020	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.255	.255	.255	.218	.218	.218	.149	.149	.149	.086	.086	.086	.027	.027	.027	
1.0	.249	.221	.196	.213	.190	.169	.146	.131	.117	.084	.076	.068	.027	.024	.022	
2.0	.242	.198	.160	.207	.170	.139	.142	.118	.097	.082	.068	.057	.026	.022	.018	
3.0	.234	.181	.138	.201	.156	.120	.138	.108	.084	.080	.063	.049	.026	.021	.016	
4.0	.226	.168	.123	.194	.145	.107	.134	.101	.075	.077	.059	.044	.025	.019	.015	
5.0	.219	.158	.112	.188	.136	.098	.129	.095	.069	.075	.056	.041	.024	.018	.014	
6.0	.211	.149	.105	.182	.129	.091	.125	.091	.065	.073	.053	.038	.023	.017	.013	
7.0	.204	.143	.100	.176	.124	.087	.121	.087	.061	.071	.051	.037	.023	.017	.012	
8.0	.198	.137	.095	.170	.119	.083	.118	.083	.059	.068	.049	.035	.022	.016	.012	
9.0	.191	.132	.092	.165	.115	.080	.114	.081	.057	.067	.048	.034	.022	.016	.011	
10.0	.186	.128	.090	.160	.111	.078	.111	.078	.056	.065	.046	.033	.021	.015	.011	

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.2DEG
 Operators:SAM
 Test Date:2019-09-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity:56%
 Test Distance:30.000m [K=1.0000]
 Remarks: 4000K

UGR(Unified Glare Rating) Table

Test:U:230.21V I:0.2692A P:60.440W PF:0.9751 Freq:50.00Hz Lamp Flux:6625.45x1 lm										
NAME: LED water proof light					TYPE:LED			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:ED190909037L		
MFR.: Vynco Industries (N.Z) Limited					SUR.:			Shielding Angle:		
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	21.4	22.9	21.8	23.3	23.6	21.7	23.2	22.1	23.5	23.9
3H	23.0	24.4	23.5	24.8	25.2	23.9	25.2	24.3	25.6	26.0
4H	23.7	25.0	24.1	25.4	25.8	25.0	26.3	25.4	26.7	27.1
6H	24.1	25.3	24.5	25.7	26.2	26.1	27.4	26.6	27.8	28.2
8H	24.2	25.4	24.6	25.8	26.3	26.7	27.9	27.2	28.4	28.8
12H	24.2	25.4	24.7	25.8	26.3	27.4	28.6	27.9	29.0	29.5
4H 2H	22.2	23.5	22.6	23.9	24.3	22.4	23.7	22.8	24.1	24.5
3H	24.0	25.2	24.5	25.6	26.1	24.8	25.9	25.3	26.4	26.9
4H	24.8	25.9	25.3	26.4	26.9	26.1	27.1	26.6	27.6	28.1
6H	25.4	26.4	26.0	26.9	27.4	27.4	28.3	27.9	28.9	29.4
8H	25.6	26.5	26.2	27.0	27.6	28.1	29.0	28.7	29.5	30.1
12H	25.8	26.6	26.3	27.1	27.7	28.9	29.8	29.5	30.3	30.9
8H 4H	25.4	26.3	26.0	26.8	27.4	26.5	27.3	27.0	27.9	28.4
6H	26.4	27.1	26.9	27.6	28.3	28.1	28.8	28.7	29.4	30.0
8H	26.7	27.4	27.3	28.0	28.6	29.0	29.7	29.6	30.2	30.9
12H	27.0	27.6	27.6	28.2	28.8	30.0	30.6	30.6	31.2	31.9
12H 4H	25.6	26.4	26.1	26.9	27.5	26.5	27.3	27.1	27.8	28.4
6H	26.7	27.3	27.2	27.9	28.5	28.2	28.9	28.8	29.5	30.1
8H	27.2	27.7	27.8	28.3	29.0	29.2	29.8	29.8	30.4	31.1
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.1 / - 0.3					+ 0.2 / - 0.4				

CIE Pub.117, 6625 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 6.6$)

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.2DEG
Operators:SAM
Test Date:2019-09-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366
Humidity:56%
Test Distance:30.000m [K=1.0000]
Remarks: 4000K

UTILIZATION FACTORS TABLE

Test:U:230.21V I:0.2692A P:60.440W PF:0.9751 Freq:50.00Hz Lamp Flux:6625.45x1 lm		
NAME: LED water proof light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:ED190909037L
MFR.: Vynco Industries (N.Z) Limited	SUR.:	Shielding Angle:

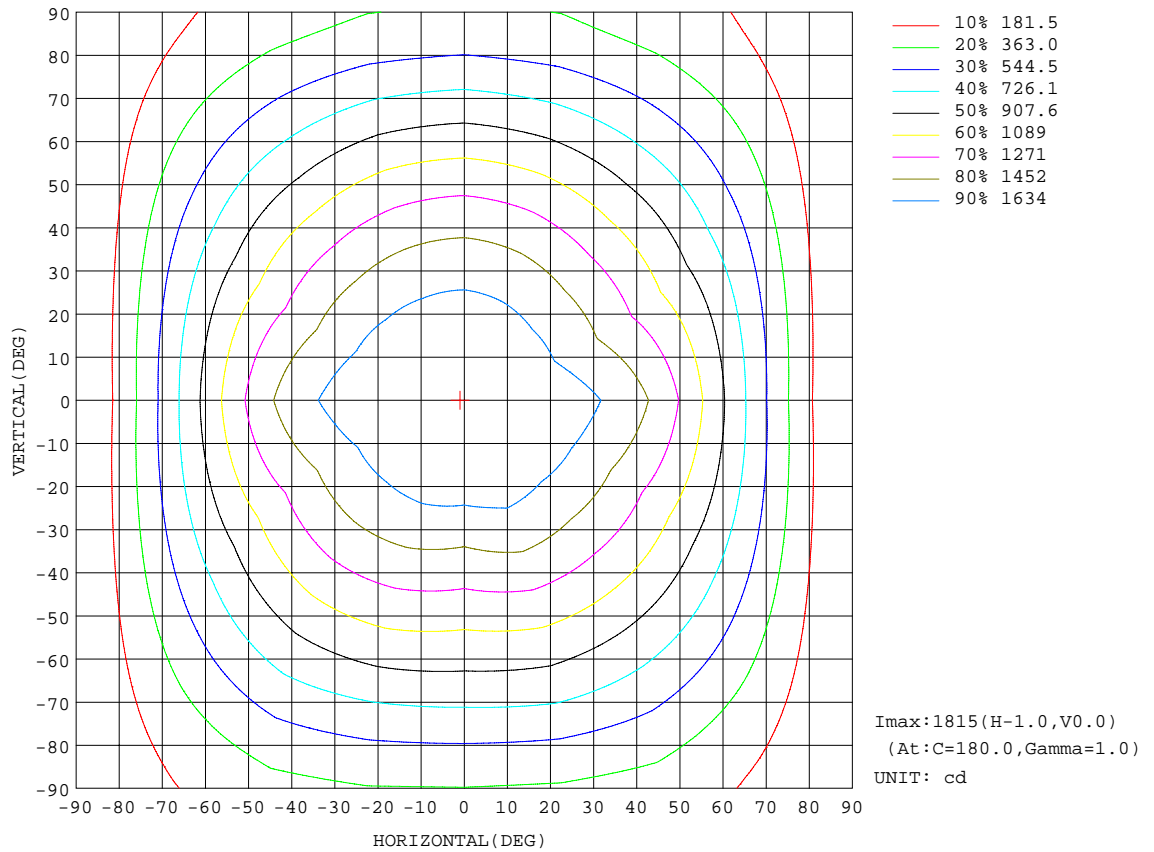
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	52	40	33	51	40	33	50	39	32	26
0.80	62	49	41	60	49	41	58	47	40	33
1.00	70	57	49	68	57	49	65	58	48	40
1.25	77	65	57	75	64	56	71	62	55	47
1.50	82	70	62	80	69	62	76	67	60	51
2.00	89	79	71	86	77	70	82	74	68	58
2.50	93	84	77	90	82	75	85	78	73	62
3.00	97	88	82	94	86	80	89	82	77	66
4.00	101	94	88	98	92	86	92	87	83	71
5.00	104	98	93	101	95	91	95	90	86	74
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.2DEG
 Operators:SAM
 Test Date:2019-09-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity:56%
 Test Distance:30.000m [K=1.0000]
 Remarks: 4000K

ISOCANDELA DIAGRAM

Test:U:230.21V I:0.2692A P:60.440W PF:0.9751 Freq:50.00Hz Lamp Flux:6625.45x1 lm		
NAME: LED water proof light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:ED190909037L
MFR.: Vynco Industries (N.Z) Limited	SUR.:	Shielding Angle:

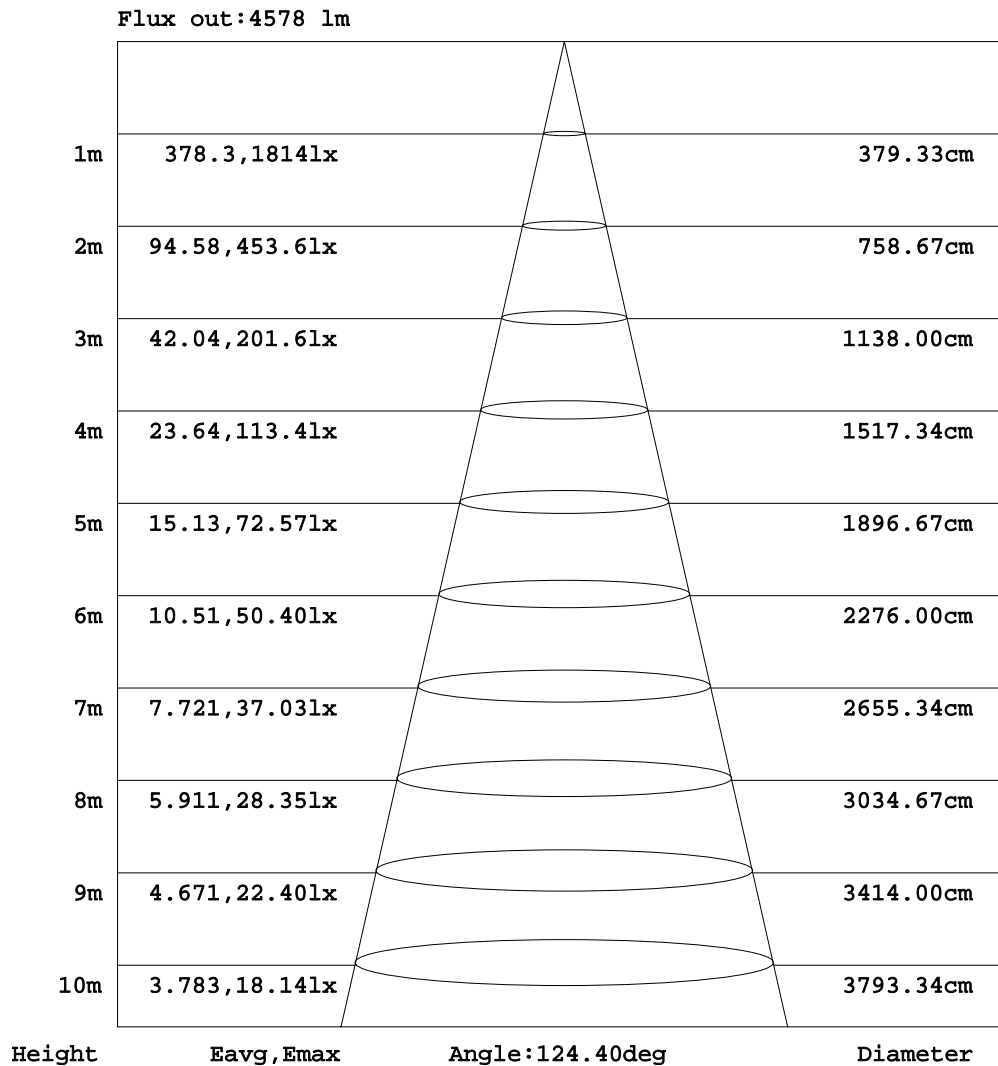


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.2DEG
 Operators:SAM
 Test Date:2019-09-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity:56%
 Test Distance:30.000m [K=1.0000]
 Remarks: 4000K

AAI Figure

Test:U:230.21V I:0.2692A P:60.440W PF:0.9751 Freq:50.00Hz Lamp Flux:6625.45x1 lm		
NAME: LED water proof light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:ED190909037L
MFR.: Vynco Industries (N.Z) Limited	SUR.:	Shielding Angle:



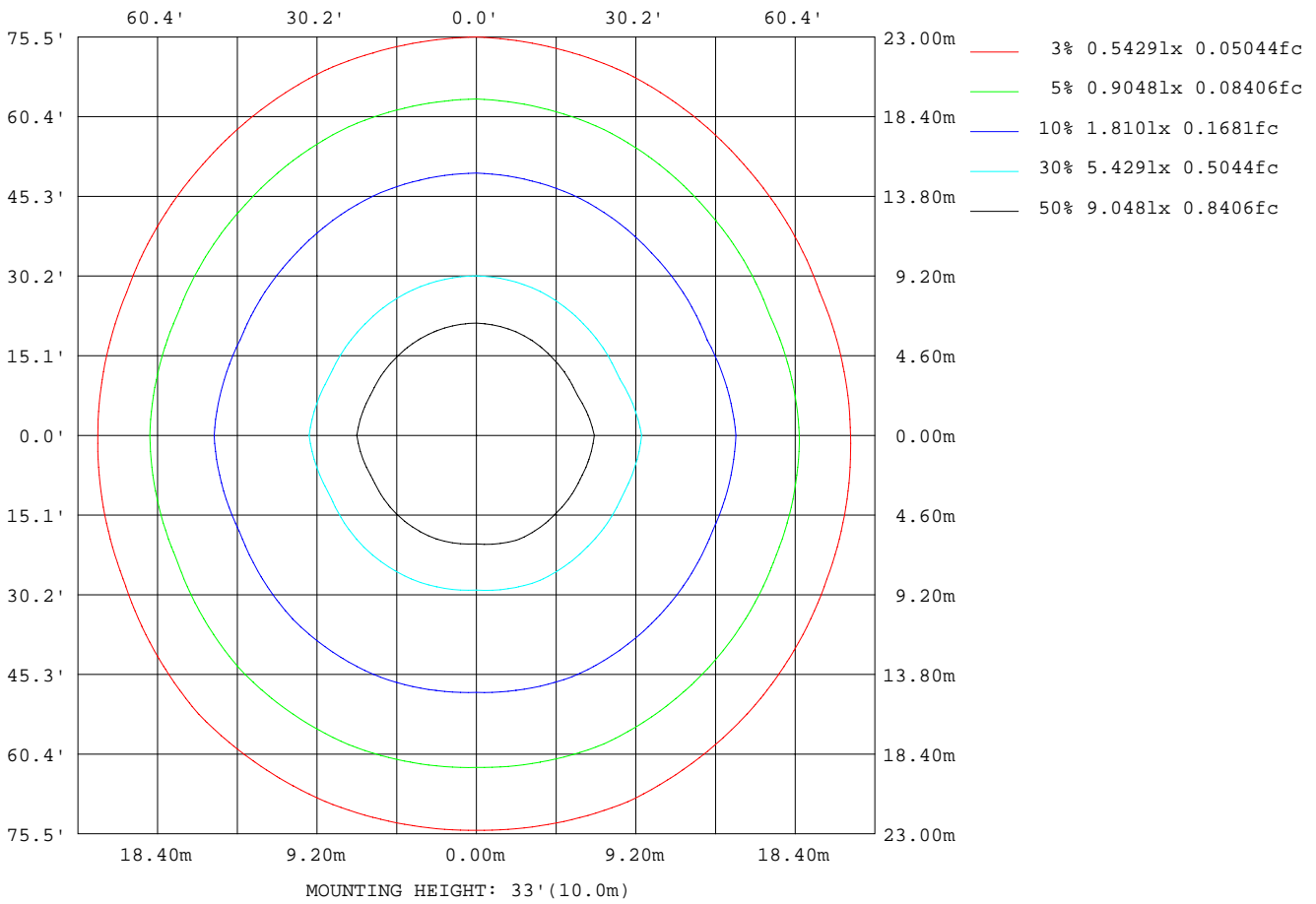
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.2DEG
 Operators:SAM
 Test Date:2019-09-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity:56%
 Test Distance:30.000m [K=1.0000]
 Remarks: 4000K

ISOLUX DIAGRAM

Test:U:230.21V I:0.2692A P:60.440W PF:0.9751 Freq:50.00Hz Lamp Flux:6625.45x1 lm		
NAME: LED water proof light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:ED190909037L
MFR.: Vynco Industries (N.Z) Limited	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.2DEG
 Operators:SAM
 Test Date:2019-09-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity:56%
 Test Distance:30.000m [K=1.0000]
 Remarks: 4000K

LED Avg.L Report

Test:U:230.21V I:0.2692A P:60.440W PF:0.9751 Freq:50.00Hz Lamp Flux:6625.45x1 lm		
NAME: LED water proof light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:ED190909037L
MFR.: Vynco Industries (N.Z) Limited	SUR.:	Shielding Angle:

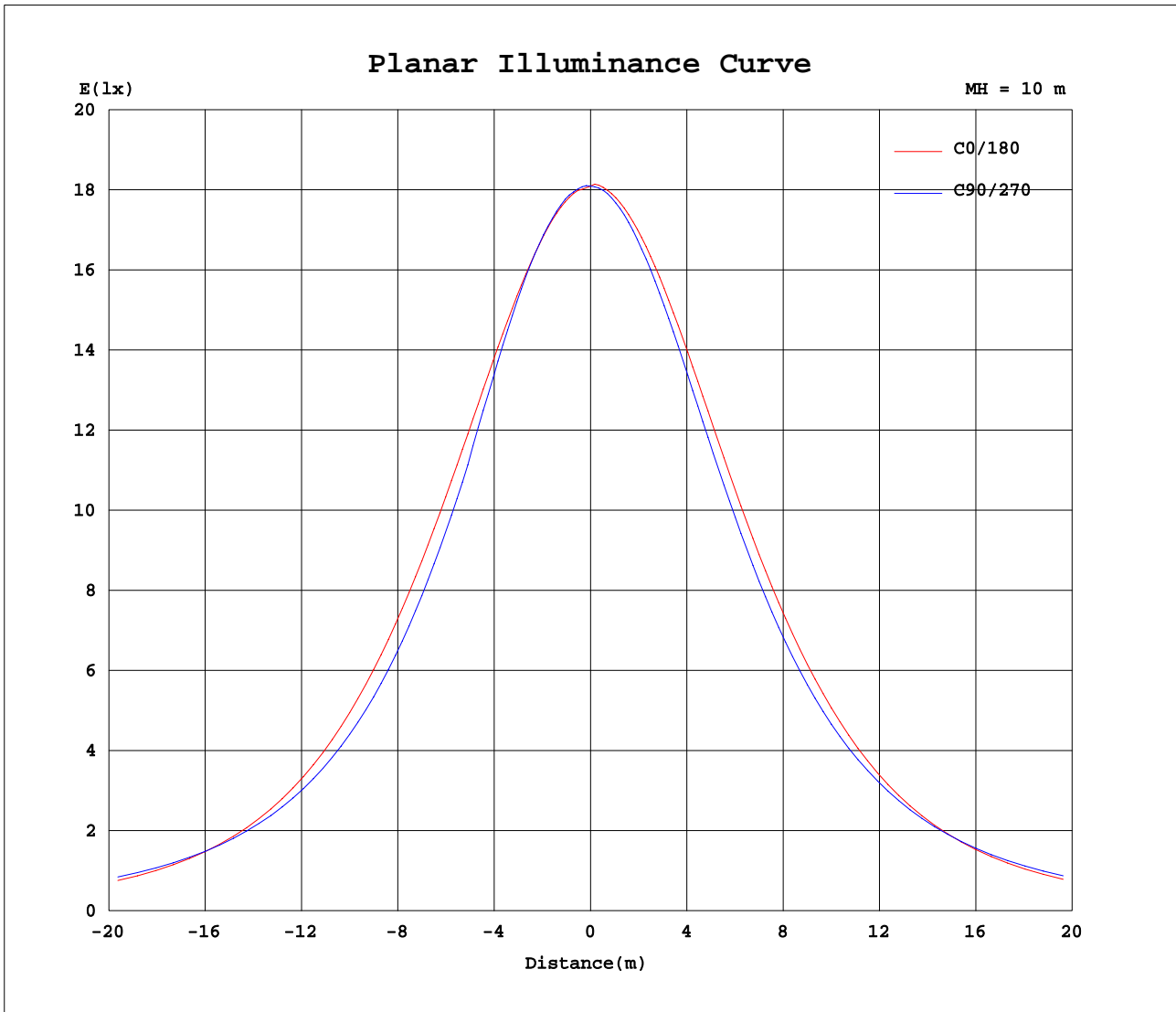
AvgL	cd/m2
L_0~180(65)av	13463
L_0~180(75)av	11190
L_0~180(85)av	6967
L_90~270(65)av	15705
L_90~270(75)av	18997
L_90~270(85)av	38709
L_45(65)av	14597
L_45(75)av	16863
L_45(85)av	31339

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.2DEG
 Operators:SAM
 Test Date:2019-09-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity:56%
 Test Distance:30.000m [K=1.0000]
 Remarks: 4000K

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.2DEG
 Operators: SAM
 Test Date: 2019-09-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity: 56%
 Test Distance: 30.000m [K=1.0000]
 Remarks: 4000K

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.21V I:0.2692A P:60.440W PF:0.9751 Freq:50.00Hz Lamp Flux:6625.45x1 lm		
NAME: LED water proof light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:ED190909037L
MFR.: Vynco Industries (N.Z) Limited	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	1810	1810	1810	1810	1810	1810	1810	1810	1810	1810	1810	1810	1810	1810	1810	1810			
5	1802	1806	1809	1811	1808	1808	1807	1810	1811	1811	1808	1803	1800	1799	1795	1795			
10	1787	1793	1791	1791	1790	1796	1786	1797	1801	1795	1786	1781	1778	1773	1765	1771			
15	1764	1766	1757	1758	1758	1767	1753	1767	1785	1768	1753	1746	1744	1735	1723	1728			
20	1737	1724	1709	1713	1702	1716	1706	1722	1761	1728	1706	1699	1700	1687	1668	1671			
25	1700	1665	1645	1656	1621	1646	1648	1660	1726	1669	1645	1639	1641	1625	1600	1599			
30	1653	1588	1568	1585	1521	1564	1576	1585	1680	1593	1571	1569	1575	1554	1521	1519			
35	1590	1497	1478	1495	1432	1477	1493	1496	1618	1502	1484	1492	1497	1473	1433	1425			
40	1507	1395	1382	1399	1340	1384	1402	1397	1538	1399	1387	1403	1412	1384	1337	1327			
45	1399	1283	1279	1296	1246	1288	1302	1288	1433	1287	1282	1308	1318	1288	1234	1219			
50	1261	1164	1170	1192	1149	1189	1198	1171	1296	1166	1169	1207	1220	1185	1126	1104			
55	1099	1037	1056	1085	1055	1090	1087	1046	1134	1037	1051	1099	1115	1078	1013	982			
60	922	904	941	980	959	988	974	915	953	901	929	987	1004	965	895	854			
65	737	766	823	875	864	875	858	782	768	760	805	870	891	850	775	721			
70	549	626	707	766	753	758	740	645	580	616	681	751	774	732	655	585			
75	369	487	591	645	642	645	621	509	397	471	558	633	657	616	537	448			
80	203	353	479	531	537	536	504	376	228	335	440	518	547	507	425	318			
85	72.3	235	376	428	439	436	395	258	88.2	219	341	423	453	417	332	209			
90	16.0	154	296	346	360	355	312	172	17.2	149	277	359	390	360	278	149			
95	15.2	116	244	294	309	304	261	132	12.9	112	231	308	339	313	234	112			
100	14.4	87.3	204	251	269	262	220	103	12.5	82.7	190	262	291	267	194	82.3			
105	14.2	64.6	168	214	232	224	183	78.5	12.1	59.8	154	220	247	226	157	58.4			
110	13.2	46.2	137	181	197	189	149	58.4	10.8	42.0	122	183	206	188	125	39.7			
115	11.6	31.3	110	151	166	157	120	42.0	10.5	27.8	95.1	149	170	153	96.6	24.5			
120	10.0	19.4	86.1	124	138	129	93.1	28.0	8.76	16.2	71.1	118	137	121	71.5	12.9			
125	8.12	10.6	65.3	100.0	112	103	70.6	16.8	7.17	9.56	50.0	90.1	108	92.3	50.2	6.98			
130	6.87	8.34	47.0	77.9	88.4	80.0	50.6	10.8	6.69	7.91	32.4	65.8	82.0	67.3	32.2	6.00			
135	6.13	7.15	30.8	57.8	66.3	59.1	33.5	8.52	5.78	6.77	17.3	44.1	57.8	45.0	16.7	5.37			
140	5.30	5.97	16.8	39.4	46.9	40.2	18.9	6.46	5.81	5.87	6.12	25.5	35.6	25.8	5.73	4.90			
145	4.83	5.13	7.28	22.9	29.8	23.4	8.03	5.48	5.84	5.56	4.77	10.7	16.3	10.6	4.82	4.81			
150	4.61	5.05	5.47	9.09	14.5	9.55	5.57	5.35	6.01	5.37	4.70	4.90	4.78	5.01	4.76	4.79			
155	4.64	5.12	4.92	4.98	5.13	4.55	4.98	5.47	6.46	5.44	4.72	4.67	4.60	4.89	4.91	4.78			
160	4.79	5.58	4.93	4.94	4.67	4.67	4.88	5.90	7.41	5.62	5.35	4.76	4.96	4.96	5.33	5.19			
165	5.58	6.04	5.00	5.23	4.61	5.27	5.00	6.37	8.24	6.14	5.85	4.85	5.09	5.05	5.92	5.63			
170	6.62	6.65	5.16	5.45	4.61	5.60	5.67	6.89	8.21	6.83	6.12	4.94	5.23	5.13	6.22	6.48			
175	7.18	6.30	5.61	5.52	4.60	5.50	5.99	6.69	7.86	7.48	6.73	5.24	5.55	5.31	6.50	6.80			
180	4.68	4.68	4.68	4.68	4.68	4.68	4.68	4.68	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7			

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.2DEG
 Operators:SAM
 Test Date:2019-09-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity:56%
 Test Distance:30.000m [K=1.0000]
 Remarks: 4000K