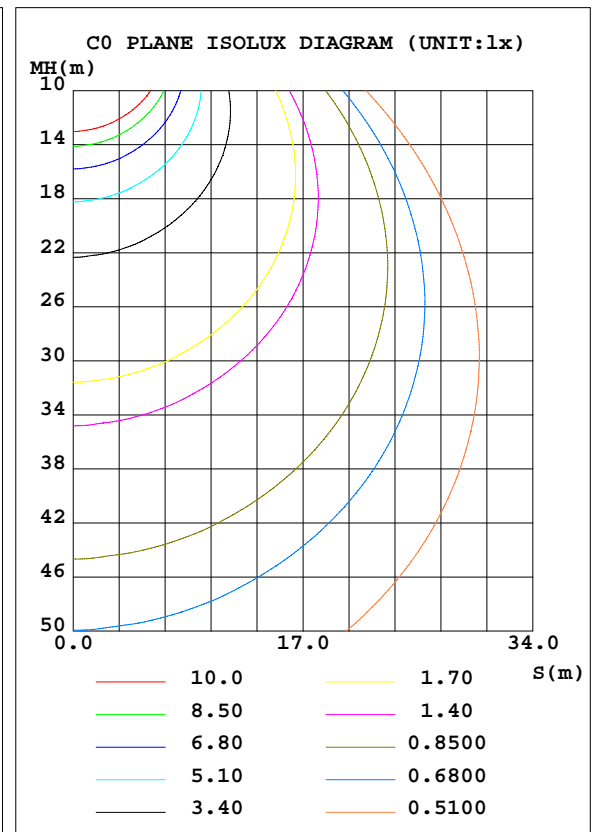
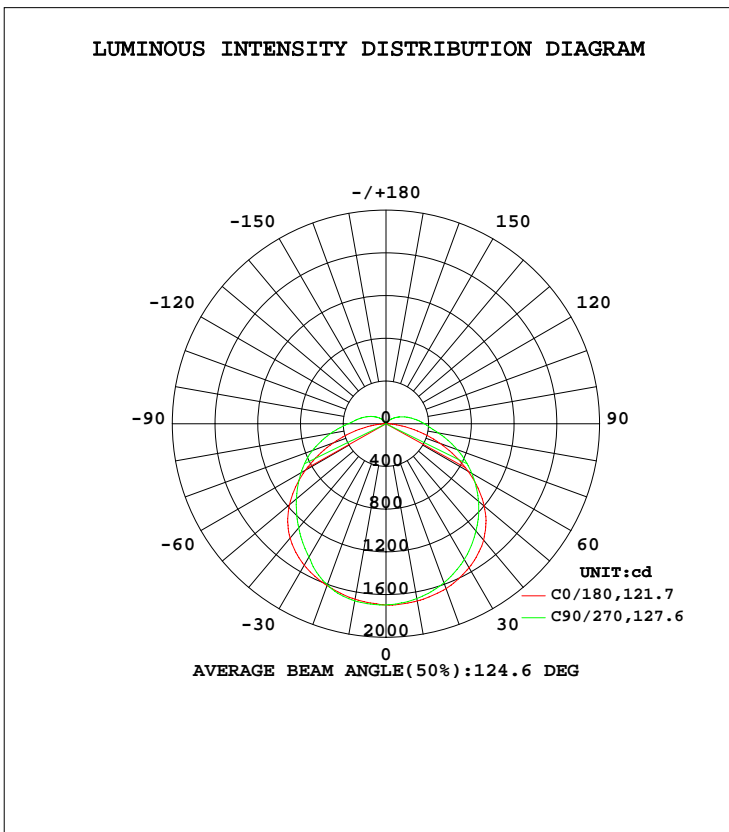


Tim Zhou

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.21V I:0.2677A P:60.070W PF:0.9749 Freq:50.00Hz Lamp Flux:6237.84x1 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: 103.84 lm/W			
MODEL	VUM5(F7258T-LS-B)	I _{max} (cd)	1700	S/MH(C0/180)	1.37
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.29
RATED VOLTAGE(V)		TOTAL FLUX(lm)	6237.8	η UP, DN(C0-180)	4.6,46.6
NOMINAL FLUX(lm)	6237.84	CIE CLASS	DIRECT	η UP, DN(C180-360)	4.0,44.8
LAMPS INSIDE	1	η up(%)	8.5	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)		η down(%)	91.5	CIBSE SHR MAX	1.50



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: 6500K

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

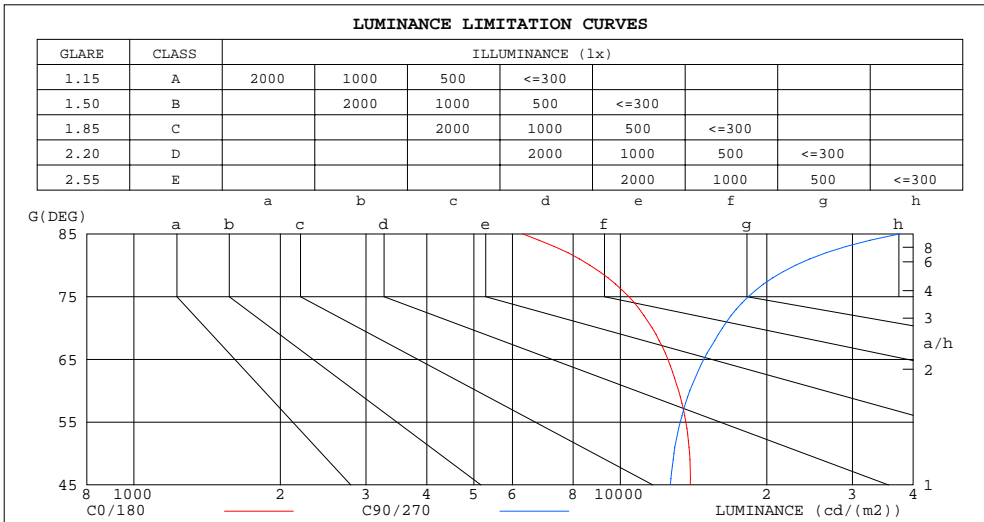
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum,lamp
10	1669	1681	1684	1682	1685	1668	1662	1653	0- 10	160.8	160.8	2.58,2.58
20	1613	1617	1607	1609	1643	1593	1585	1562	10- 20	464.6	625.3	10,10
30	1531	1493	1441	1487	1556	1464	1467	1424	20- 30	713.7	1339	21.5,21.5
40	1396	1322	1272	1326	1422	1290	1311	1252	30- 40	877.7	2217	35.5,35.5
50	1179	1124	1095	1136	1199	1084	1131	1053	40- 50	940.8	3158	50.6,50.6
60	870.7	910.4	918.5	929.2	886.8	857.1	927.4	835.0	50- 60	897.9	4055	65,65
70	525.9	689.3	732.9	709.1	538.2	623.2	710.0	608.5	60- 70	759.4	4815	77.2,77.2
80	198.6	473.1	526.1	487.1	209.3	399.6	497.7	393.3	70- 80	551.7	5367	86,86
90	13.80	294.0	353.5	302.6	16.45	254.3	359.9	259.5	80- 90	338.4	5705	91.5,91.5
100	13.04	200.1	262.4	212.2	11.30	173.5	267.4	179.3	90-100	217.0	5922	94.9,94.9
110	12.07	135.2	193.2	144.3	9.869	110.3	188.5	114.0	100-110	145.4	6067	97.3,97.3
120	8.797	85.12	135.9	90.62	7.678	62.59	124.6	63.87	110-120	89.39	6157	98.7,98.7
130	5.981	47.37	87.48	50.00	5.649	27.44	72.61	27.75	120-130	48.39	6205	99.5,99.5
140	4.641	18.06	47.39	19.48	5.128	5.384	29.18	5.364	130-140	21.76	6227	99.8,99.8
150	4.088	5.091	16.32	5.338	5.412	4.451	4.461	4.585	140-150	6.858	6234	99.9,99.9
160	4.278	4.031	3.855	4.173	6.154	4.911	4.585	5.073	150-160	2.277	6236	100,100
170	6.248	4.435	3.847	4.166	6.184	5.404	4.708	5.493	160-170	1.366	6237	100,100
180	4.335	4.335	17.89	17.89	17.89	17.89	4.335	4.335	170-180	0.4876	6238	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: 6500K

LUMINANCE LIMITATION CURVES

Test:U:230.21V I:0.2677A P:60.070W PF:0.9749 Freq:50.00Hz Lamp Flux:6237.84x1 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	6294	37558
80	8654	22923
75	10412	18341
70	11632	16211
65	12522	14843
60	13175	13899
55	13637	13281
50	13882	12892
45	13923	12667

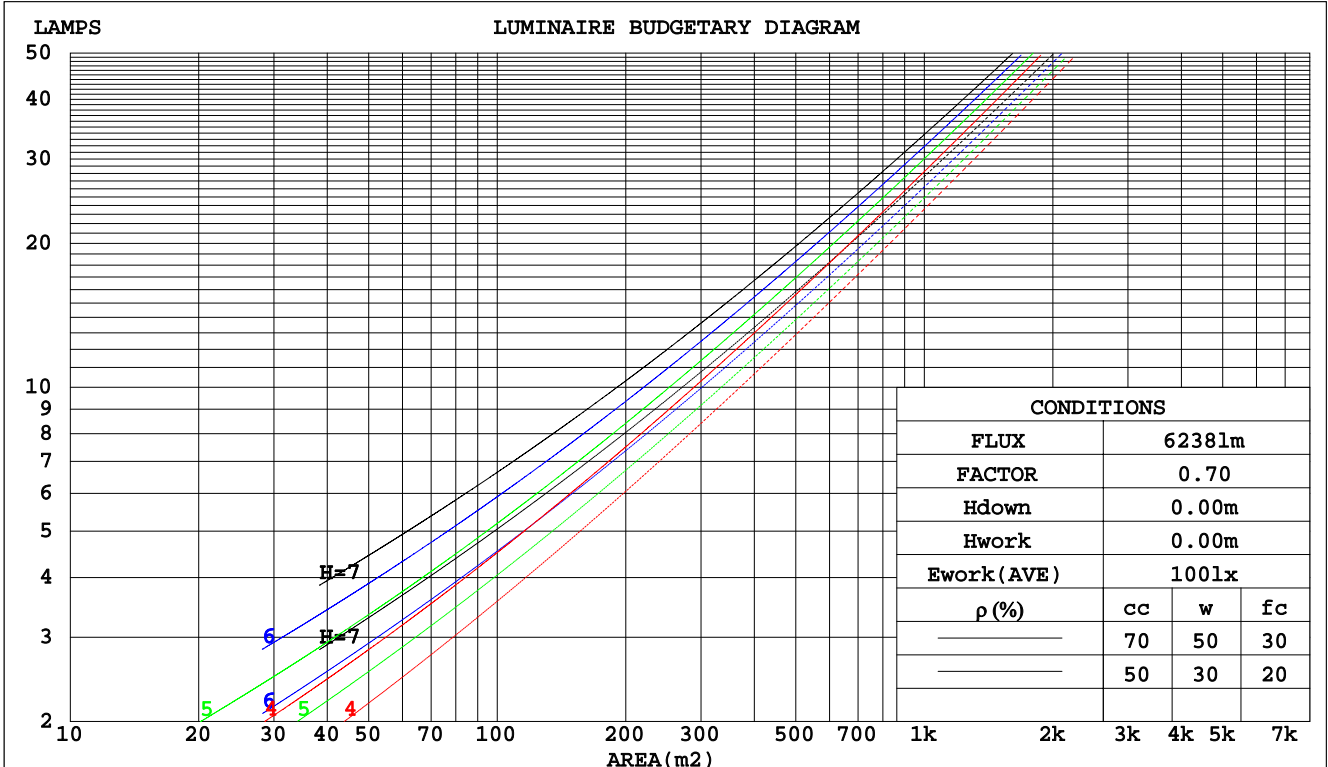
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 Test Speed: HIGH
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 Test Date:2019-09-11

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: 6500K

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.21V I:0.2677A P:60.070W PF:0.9749 Freq:50.00Hz Lamp Flux:6237.84x1 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
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
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	.87	.90	.86	.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	.57	.68	.61	.55	.64	.58	.53	.60	.55	.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	.53	.46	.40	.51	.44	.39	.48	.42	.38	.35
6.0	.52	.43	.36	.51	.42	.36	.48	.40	.35	.46	.39	.34	.43	.37	.33	.31
7.0	.47	.38	.32	.46	.37	.31	.44	.36	.31	.41	.35	.30	.39	.34	.29	.27
8.0	.43	.34	.28	.42	.34	.28	.40	.32	.27	.38	.31	.27	.36	.30	.26	.24
9.0	.39	.31	.25	.38	.30	.25	.37	.29	.24	.35	.28	.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: 6500K

WEC AND CCEC

Test:U:230.21V I:0.2677A P:60.070W PF:0.9749 Freq:50.00Hz Lamp Flux:6237.84x1 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	.350	.199	.063	.331	.190	.061	.314	.181	.058	.299	.173	.056	
2.0	.320	.175	.054	.311	.172	.053	.295	.164	.051	.280	.157	.049	.266	.150	.047	
3.0	.289	.154	.046	.281	.150	.045	.266	.144	.044	.252	.138	.042	.240	.133	.041	
4.0	.262	.136	.040	.255	.133	.039	.242	.128	.038	.229	.123	.037	.218	.118	.036	
5.0	.240	.122	.035	.233	.120	.035	.221	.115	.034	.210	.111	.033	.200	.107	.032	
6.0	.220	.110	.032	.215	.108	.031	.204	.105	.030	.194	.101	.030	.184	.097	.029	
7.0	.204	.101	.029	.199	.099	.028	.189	.096	.028	.180	.092	.027	.171	.089	.026	
8.0	.190	.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	.148	.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	.256	.256	.256	.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	.161	.207	.170	.139	.142	.118	.097	.082	.069	.057	.026	.022	.019	
3.0	.234	.181	.138	.201	.156	.120	.138	.108	.084	.080	.063	.050	.026	.021	.016	
4.0	.227	.168	.123	.195	.145	.107	.134	.101	.075	.077	.059	.045	.025	.019	.015	
5.0	.219	.158	.113	.188	.137	.098	.130	.095	.069	.075	.056	.041	.024	.018	.014	
6.0	.212	.150	.105	.182	.130	.092	.126	.091	.065	.073	.053	.039	.024	.017	.013	
7.0	.205	.143	.100	.176	.124	.087	.122	.087	.062	.071	.051	.037	.023	.017	.012	
8.0	.198	.137	.096	.170	.119	.083	.118	.084	.059	.069	.049	.035	.022	.016	.012	
9.0	.192	.132	.092	.165	.115	.081	.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: 6500K

UGR(Unified Glare Rating) Table

Test:U:230.21V I:0.2677A P:60.070W PF:0.9749 Freq:50.00Hz Lamp Flux:6237.84x1 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	21.3	22.8	21.7	23.2	23.5	21.6	23.1	22.0	23.4	23.8
3H	23.0	24.3	23.4	24.7	25.1	23.8	25.2	24.2	25.6	26.0
4H	23.6	24.9	24.0	25.3	25.7	25.0	26.3	25.4	26.7	27.1
6H	24.0	25.2	24.5	25.7	26.1	26.1	27.4	26.6	27.8	28.3
8H	24.1	25.3	24.6	25.8	26.2	26.8	28.0	27.2	28.4	28.9
12H	24.2	25.3	24.7	25.8	26.3	27.5	28.6	28.0	29.1	29.6
4H 2H	22.1	23.4	22.5	23.8	24.2	22.3	23.6	22.7	24.0	24.4
3H	24.0	25.1	24.4	25.6	26.0	24.8	25.9	25.2	26.3	26.8
4H	24.8	25.8	25.3	26.3	26.8	26.1	27.1	26.6	27.6	28.1
6H	25.4	26.4	26.0	26.9	27.4	27.4	28.4	28.0	28.9	29.4
8H	25.6	26.5	26.2	27.0	27.6	28.2	29.1	28.7	29.6	30.1
12H	25.8	26.6	26.3	27.1	27.7	29.0	29.8	29.6	30.3	30.9
8H 4H	25.4	26.3	26.0	26.8	27.4	26.5	27.4	27.0	27.9	28.4
6H	26.4	27.1	26.9	27.7	28.3	28.1	28.9	28.7	29.4	30.0
8H	26.8	27.4	27.4	28.0	28.6	29.1	29.7	29.7	30.3	30.9
12H	27.1	27.6	27.7	28.2	28.9	30.1	30.7	30.7	31.3	31.9
12H 4H	25.6	26.4	26.1	26.9	27.5	26.5	27.3	27.1	27.9	28.5
6H	26.7	27.3	27.3	27.9	28.5	28.3	28.9	28.9	29.5	30.1
8H	27.2	27.8	27.8	28.4	29.0	29.3	29.9	29.9	30.5	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, 6238 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 6.4)

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: 6500K

UTILIZATION FACTORS TABLE

Test:U:230.21V I:0.2677A P:60.070W PF:0.9749 Freq:50.00Hz Lamp Flux:6237.84x1 lm		
NAME: LED water proof light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:ED190909037L
MFR.: Vynco Industries (N.Z) Limited	SUR.:	Shielding Angle:

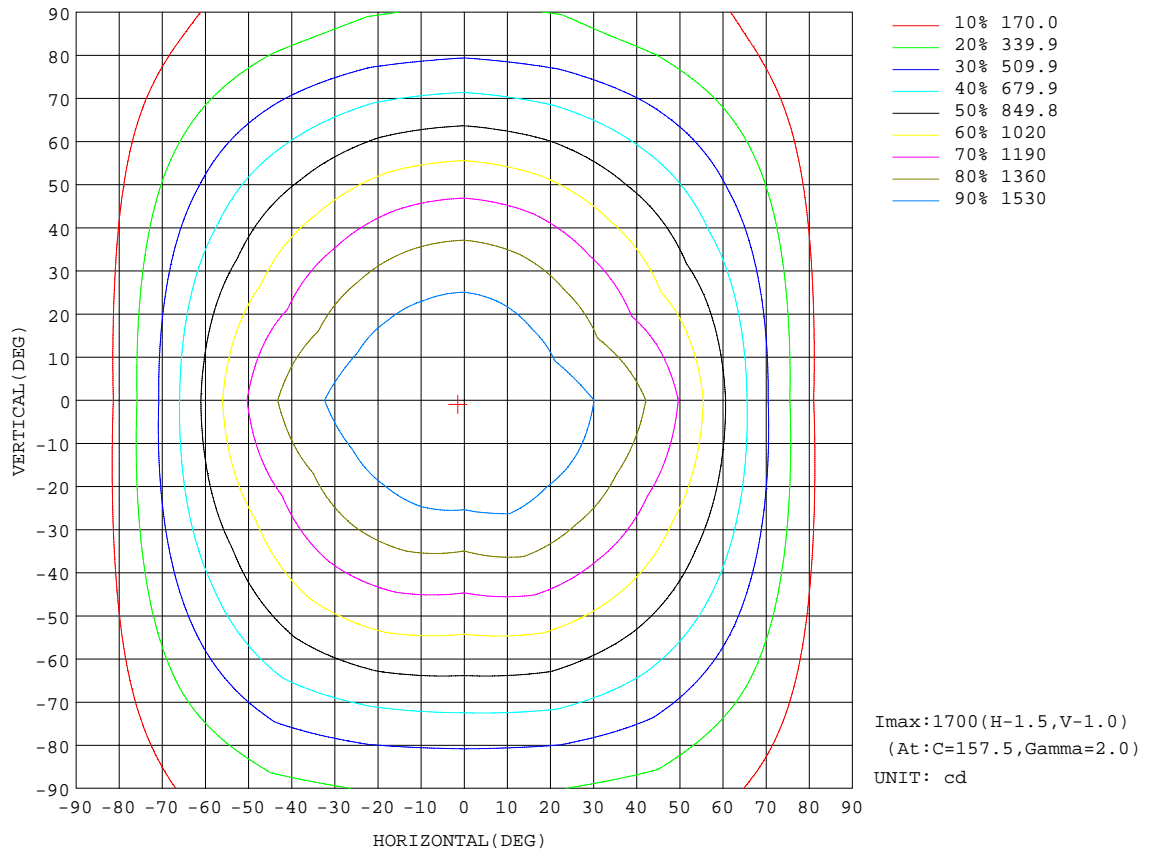
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	52	40	33	51	40	32	50	39	32	26
0.80	62	49	41	60	48	41	58	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	90	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
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 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity:56%
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ISOCANDELA DIAGRAM

Test:U:230.21V I:0.2677A P:60.070W PF:0.9749 Freq:50.00Hz Lamp Flux:6237.84x1 lm		
NAME: LED water proof light	TYPE:LED	WEIGHT:
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MFR.: Vynco Industries (N.Z) Limited	SUR.:	Shielding Angle:

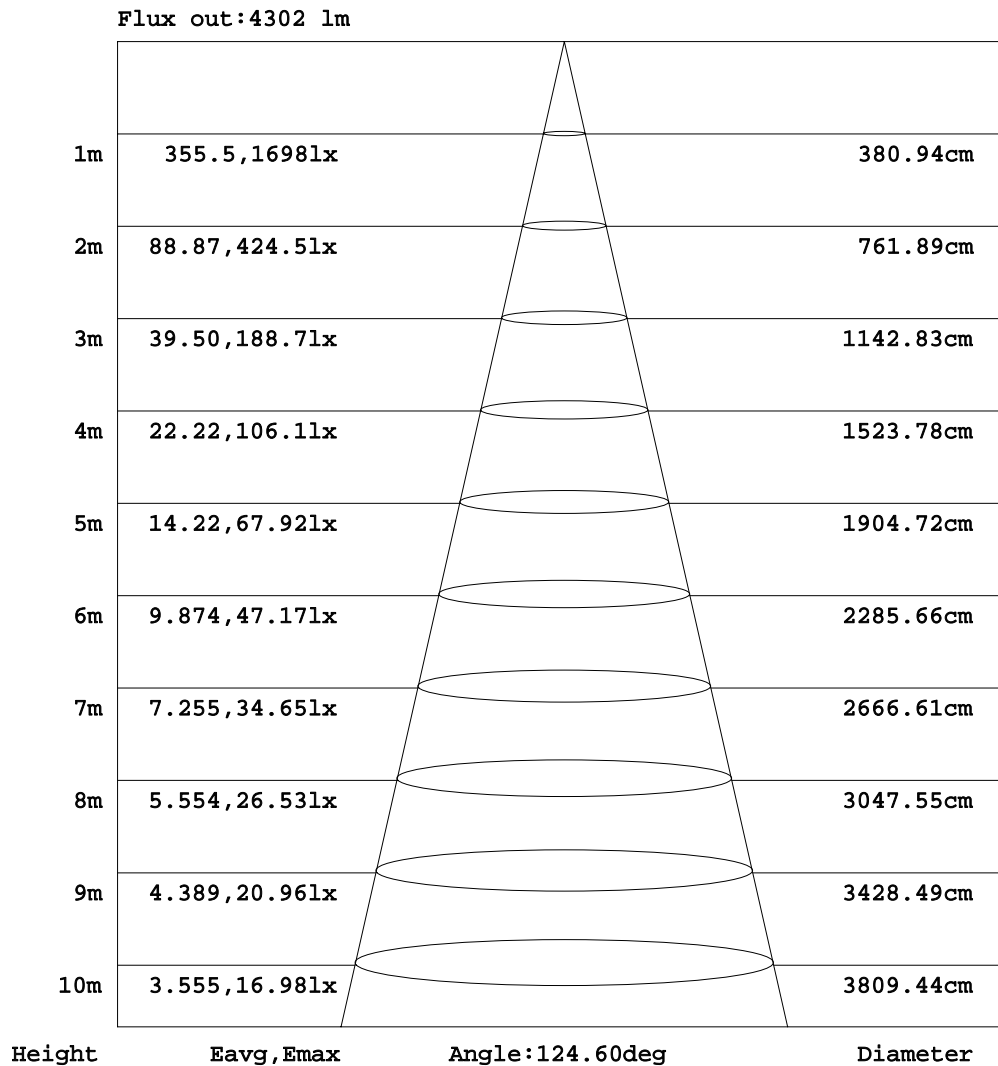


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 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity:56%
 Test Distance:30.000m [K=1.0000]
 Remarks: 6500K

AAI Figure

Test:U:230.21V I:0.2677A P:60.070W PF:0.9749 Freq:50.00Hz Lamp Flux:6237.84x1 lm		
NAME: LED water proof light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:ED190909037L
MFR.: Vynco Industries (N.Z) Limited	SUR.:	Shielding Angle:



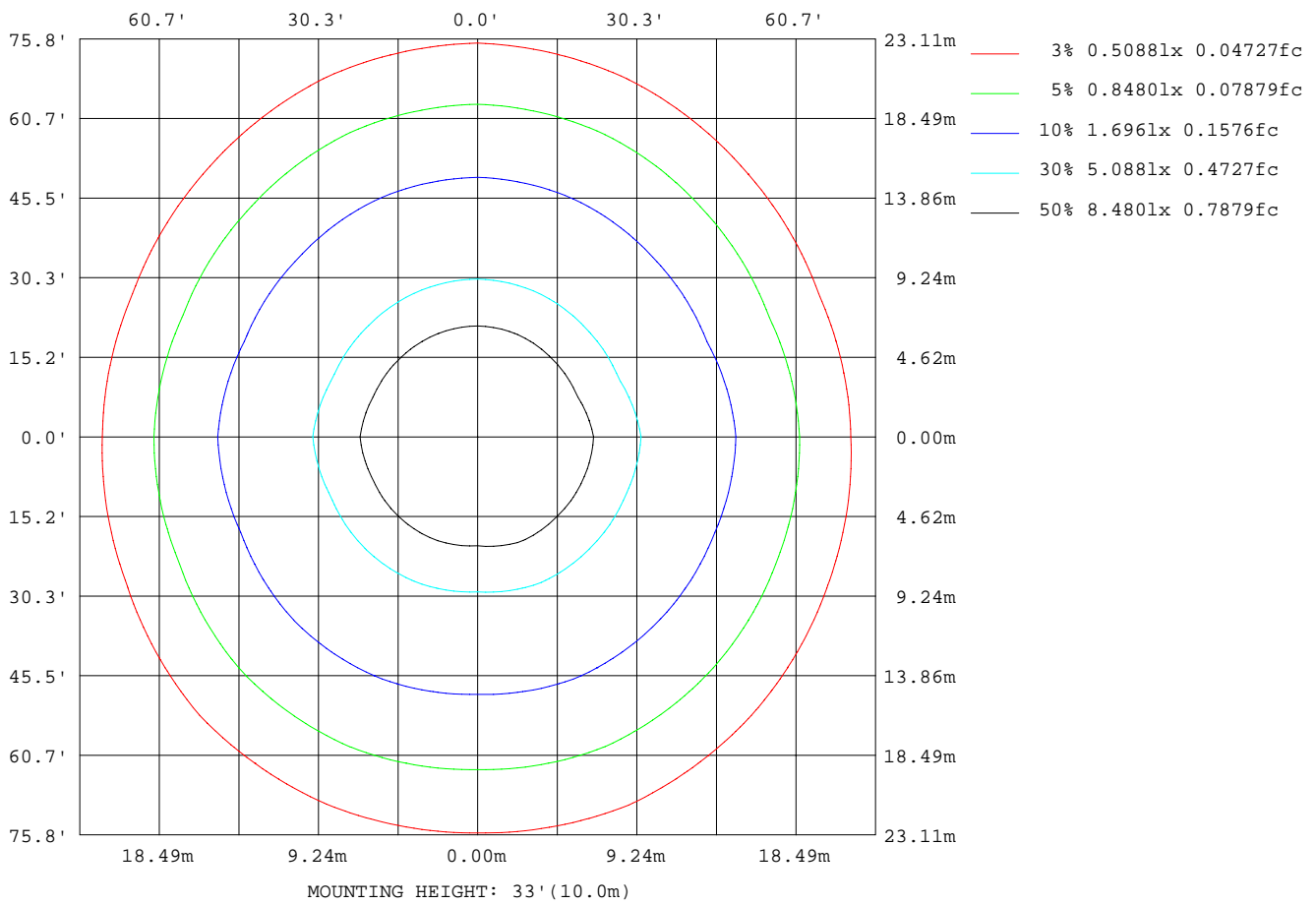
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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 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: 6500K

ISOLUX DIAGRAM

Test:U:230.21V I:0.2677A P:60.070W PF:0.9749 Freq:50.00Hz Lamp Flux:6237.84x1 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
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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: 6500K

LED Avg.L Report

Test:U:230.21V I:0.2677A P:60.070W PF:0.9749 Freq:50.00Hz Lamp Flux:6237.84x1 lm		
NAME: LED water proof light	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:ED190909037L
MFR.: Vynco Industries (N.Z) Limited	SUR.:	Shielding Angle:

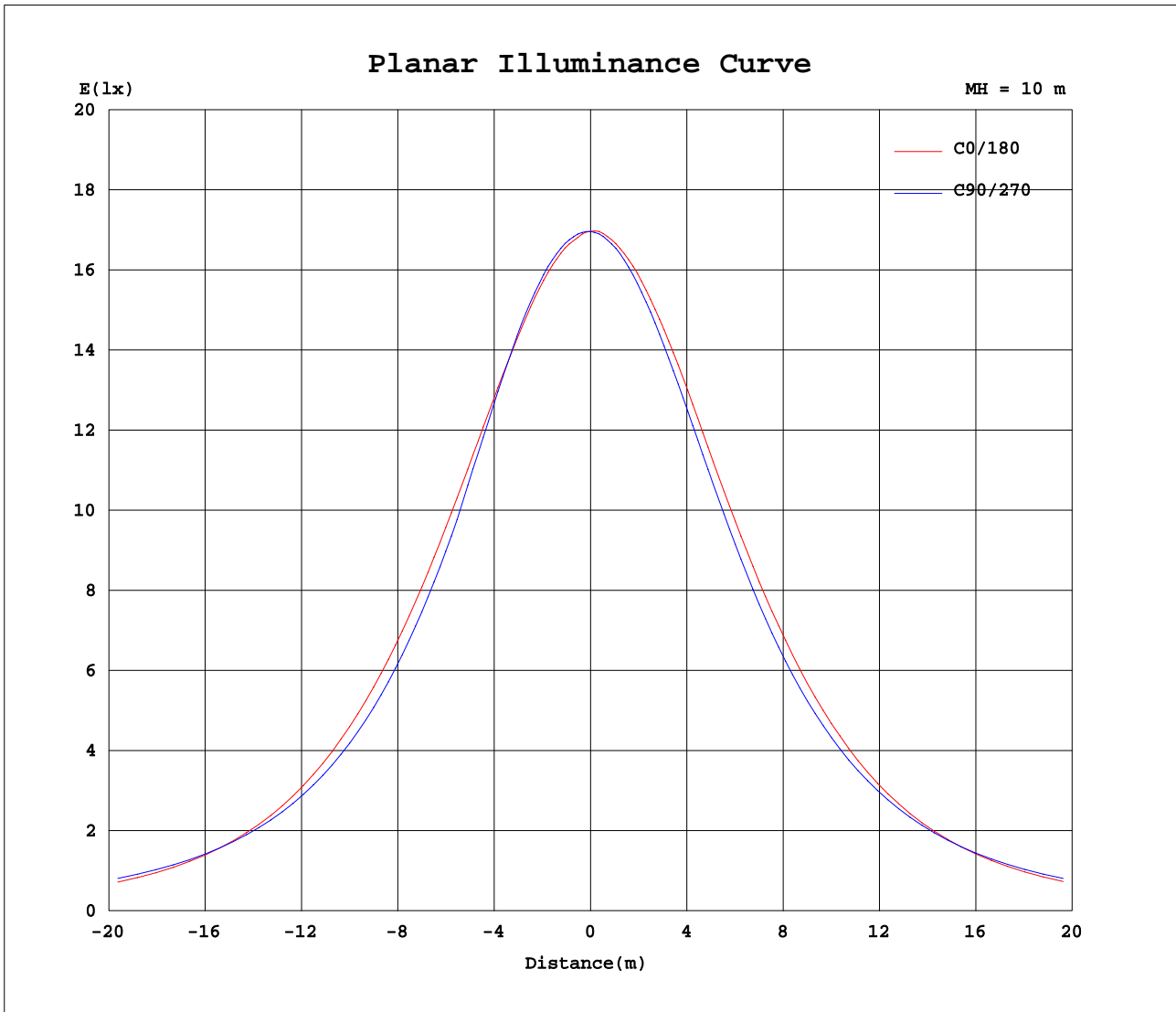
AvgL	cd/m2
L_0~180(65)av	12641
L_0~180(75)av	10572
L_0~180(85)av	6614
L_90~270(65)av	14765
L_90~270(75)av	17951
L_90~270(85)av	36781
L_45(65)av	13797
L_45(75)av	15948
L_45(85)av	29833

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: 6500K

Planar Illuminance Curve



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 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity: 56%
 Test Distance: 30.000m [K=1.0000]
 Remarks: 6500K

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.21V I:0.2677A P:60.070W PF:0.9749 Freq:50.00Hz Lamp Flux:6237.84x1 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	1696	1696	1696	1696	1696	1696	1696	1696	1696	1696	1696	1696	1696	1696	1696	1696				
5	1684	1690	1692	1696	1695	1695	1696	1694	1695	1694	1689	1686	1684	1682	1681	1680				
10	1669	1680	1681	1684	1684	1681	1682	1688	1685	1677	1668	1664	1662	1657	1653	1656				
15	1643	1661	1658	1657	1656	1658	1652	1665	1667	1651	1637	1629	1629	1622	1614	1618				
20	1613	1628	1617	1617	1607	1618	1609	1627	1643	1613	1593	1584	1585	1575	1562	1564				
25	1576	1579	1563	1567	1536	1551	1553	1572	1604	1557	1535	1528	1530	1517	1498	1499				
30	1531	1513	1493	1505	1441	1477	1487	1503	1556	1483	1464	1461	1467	1450	1424	1422				
35	1471	1431	1412	1422	1359	1397	1411	1422	1496	1397	1382	1387	1393	1374	1342	1338				
40	1396	1336	1322	1331	1272	1311	1326	1330	1422	1301	1290	1303	1311	1289	1252	1245				
45	1301	1232	1225	1236	1184	1221	1234	1227	1323	1194	1190	1213	1225	1200	1154	1143				
50	1179	1119	1124	1139	1095	1130	1136	1115	1199	1082	1084	1116	1131	1103	1053	1035				
55	1034	998	1019	1040	1007	1037	1034	995	1052	961	971	1016	1031	1001	946	922				
60	871	871	910	942	919	943	929	870	887	832	857	910	927	895	835	802				
65	699	740	800	844	829	842	820	742	713	700	741	800	820	786	722	677				
70	526	608	689	744	733	732	709	612	538	564	623	688	710	675	609	548				
75	356	475	580	633	627	625	597	484	367	429	508	577	601	567	498	419				
80	199	348	473	524	526	522	487	359	209	301	400	471	498	466	393	296				
85	72.5	235	374	425	433	427	383	247	79.9	197	310	386	415	384	308	195				
90	13.8	153	294	342	354	348	303	166	16.5	136	254	330	360	335	259	139				
95	13.0	114	241	287	302	295	251	127	12.1	102	211	283	312	289	217	104				
100	13.0	86.5	200	246	262	254	212	99.3	11.3	75.5	173	240	267	247	179	76.6				
105	12.7	64.5	166	209	226	217	177	76.4	10.8	54.6	140	201	226	207	145	54.2				
110	12.1	46.7	135	177	193	183	144	57.3	9.87	38.3	110	167	189	172	114	36.8				
115	10.4	32.1	108	148	163	153	116	41.5	9.10	25.1	84.9	135	155	139	87.2	22.7				
120	8.80	20.5	85.1	122	136	126	90.6	28.2	7.68	14.5	62.6	106	125	109	63.9	12.0				
125	7.08	12.0	64.9	98.8	110	101	68.9	17.6	7.22	9.00	43.5	79.9	97.3	82.2	44.1	6.52				
130	5.98	9.41	47.4	77.3	87.5	78.5	50.0	12.0	5.65	7.32	27.4	57.2	72.6	58.8	27.8	5.49				
135	5.24	7.71	31.7	57.8	66.3	58.5	33.6	9.04	5.05	6.21	14.3	37.4	49.6	38.2	14.2	4.94				
140	4.64	5.93	18.1	40.0	47.4	40.4	19.5	6.91	5.13	5.42	5.38	20.2	29.2	20.7	5.36	4.56				
145	4.21	4.53	8.00	24.0	30.9	24.1	8.82	4.85	5.20	5.12	4.54	7.67	11.6	8.14	4.63	4.44				
150	4.09	4.37	5.09	10.6	16.3	10.6	5.34	4.64	5.41	4.99	4.45	4.76	4.46	5.03	4.58	4.39				
155	4.09	4.32	4.09	4.24	5.17	4.30	4.30	4.66	6.01	5.06	4.51	4.62	4.49	4.73	4.67	4.35				
160	4.28	4.46	4.03	4.18	3.85	4.11	4.17	4.86	6.15	5.36	4.91	4.55	4.58	4.83	5.07	4.49				
165	5.56	5.07	4.15	4.40	3.85	4.09	4.17	5.01	6.20	5.51	5.17	4.58	4.72	4.94	5.32	5.24				
170	6.25	5.14	4.44	4.63	3.85	4.07	4.17	4.67	6.18	5.76	5.40	4.69	4.71	5.09	5.49	5.43				
175	5.72	4.60	4.70	4.59	3.84	4.02	4.15	4.31	6.13	5.96	5.79	5.33	4.74	5.51	5.66	6.20				
180	4.34	4.34	4.34	4.34	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	4.34	4.34	4.34	4.34			

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