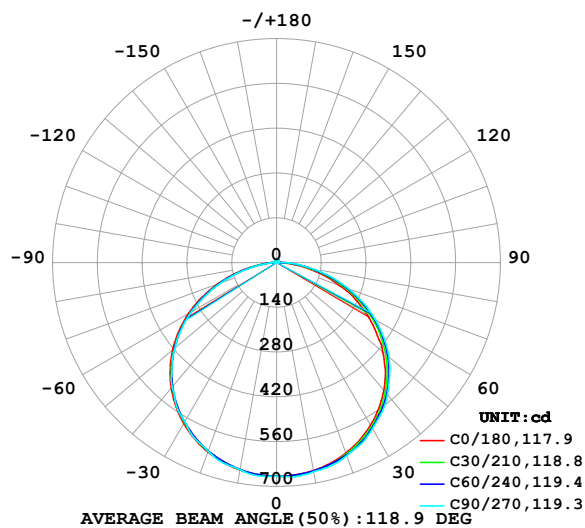


LUMINAIRE PHOTOMETRIC TEST REPORT

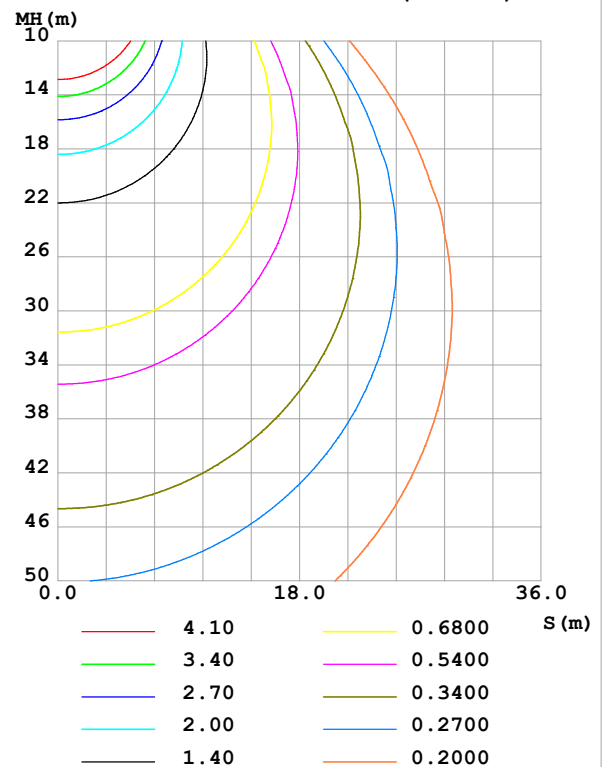
Test:U:23.997V I:0.7619A P:18.283W PF:1.0000 Freq:0Hz Lamp Flux:2098.2x1 lm		
NAME: S010240XC2PZ Mixed	TYPE: LED	WEIGHT:
SPEC.: 1000x10MM	DIM.: 1000x10MM	SERIAL No.: 10102-0123-00
MFR.: iPixel LED	SUR.: 1000x10MM	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 114.76 lm/W
MODEL	S010240XC2PZ Mixed	Imax (cd)	671.9	S/MH(C0/180)	1.29	
NOMINAL POWER(W)	20W	LOR(%)	100.0	S/MH(C90/270)	1.29	
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	2098.2	η UP,DN(C0-180)	1.1,50.9	
NOMINAL FLUX(lm)	2098.2	CIE CLASS	DIRECT	η UP,DN(C180-360)	1.0,47.0	
LAMPS INSIDE	1	η up (%)	2.1	CIBSE SHR NOM	1.50	
TEST VOLTAGE(V)	24	η down (%)	97.9	CIBSE SHR MAX	1.50	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:LINZINA
Test Date:2025-04-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.820m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	660.3	661.7	664.0	663.6	658.7	657.1	657.8	653.8	0- 10	63.37	63.37	3.02,3.02
20	633.4	638.5	641.8	640.5	629.6	626.7	627.0	621.3	10- 20	183.0	246.4	11.7,11.7
30	587.3	594.3	599.4	596.6	581.0	576.7	574.3	570.1	20- 30	281.9	528.3	25.2,25.2
40	521.5	532.2	539.4	531.1	512.5	506.9	507.9	500.6	30- 40	346.9	875.1	41.7,41.7
50	433.1	449.3	458.7	445.7	424.6	417.7	414.1	413.1	40- 50	368.1	1243	59.3,59.3
60	326.8	347.5	355.8	341.5	317.8	310.4	307.2	311.6	50- 60	341.1	1584	75.5,75.5
70	208.5	229.7	238.9	221.7	197.1	189.4	183.7	196.0	60- 70	266.4	1851	88.2,88.2
80	90.89	107.6	116.1	100.1	76.26	72.09	66.65	79.49	70- 80	155.7	2006	95.6,95.6
90	9.987	20.74	15.27	20.66	6.978	8.148	2.646	8.914	80- 90	48.34	2055	97.9,97.9
100	2.937	5.303	3.060	12.70	3.350	3.384	3.607	3.403	90-100	7.432	2062	98.3,98.3
110	3.987	5.152	4.074	10.14	4.365	4.478	4.773	4.784	100-110	5.782	2068	98.6,98.6
120	5.079	5.025	5.102	7.230	5.369	5.592	5.853	7.171	110-120	5.734	2074	98.8,98.8
130	6.179	6.082	6.178	6.152	6.363	6.708	6.917	9.854	120-130	5.659	2079	99.1,99.1
140	7.307	7.139	7.301	7.246	7.598	7.805	8.007	9.928	130-140	5.739	2085	99.4,99.4
150	8.344	8.227	8.395	8.302	8.672	8.805	9.003	8.897	140-150	5.129	2090	99.6,99.6
160	9.323	9.300	9.539	9.245	9.382	9.673	9.843	9.578	150-160	4.165	2094	99.8,99.8
170	10.14	10.13	10.31	10.02	10.14	10.34	10.46	10.20	160-170	2.783	2097	100,100
180	10.59	10.65	10.80	10.53	10.58	10.66	10.76	10.52	170-180	0.9906	2098	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1059.6 lm

%lum = 50.5%

%lamp = 50.5%

Conical surface Flux(130deg): 1729.5 lm

%lum = 82.4%

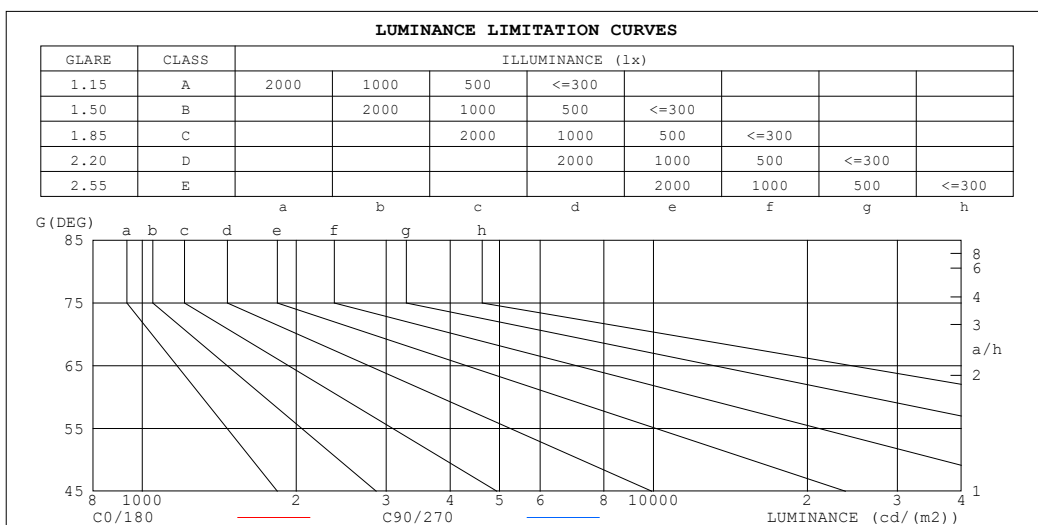
%lamp = 82.4%

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:LINZINA
 Test Date:2025-04-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
 Humidity:65.0%
 Test Distance:6.820m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:23.997V I:0.7619A P:18.283W PF:1.0000 Freq:0Hz Lamp Flux:2098.2x1 lm		
NAME: S010240XC2PZ Mixed	TYPE: LED	WEIGHT:
SPEC.: 1000×10MM	DIM.: 1000×10MM	SERIAL No.: 10102-0123-00
MFR.: iPixel LED	SUR.: 1000×10MM	Shielding Angle:



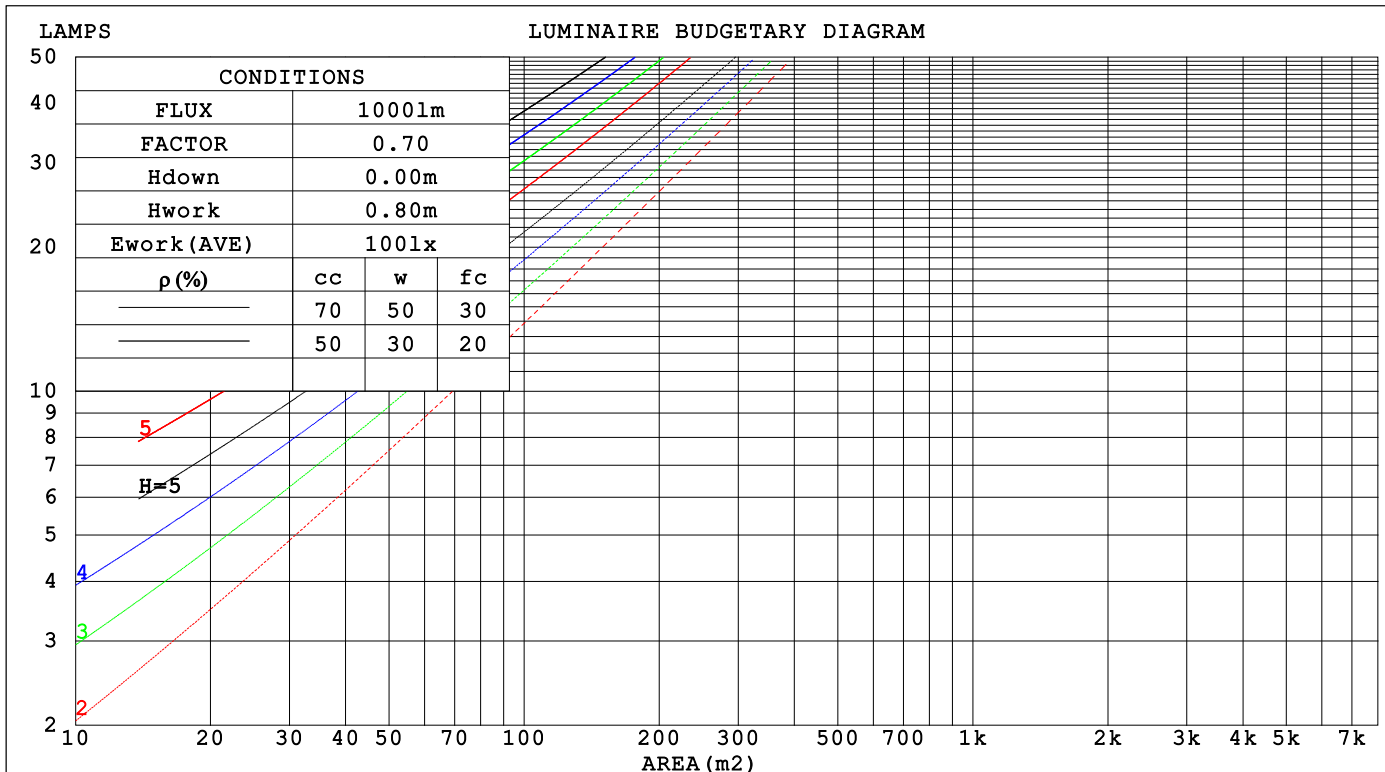
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: LINZINA
Test Date: 2025-04-09

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity: 65.0%
Test Distance: 6.820m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:23.997V I:0.7619A P:18.283W PF:1.0000 Freq:0Hz Lamp Flux:2098.2x1 lm		
NAME: S010240XC2PZ Mixed	TYPE: LED	WEIGHT:
SPEC.: 1000x10MM	DIM.: 1000x10MM	SERIAL No.: 10102-0123-00
MFR.: iPixel LED	SUR.: 1000x10MM	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	1.19	1.19	1.19	1.16	1.16	1.16	1.10	1.10	1.10	1.05	1.05	1.05	1.00	1.00	1.00	.98
1.0	1.03	.98	.94	1.00	.96	.93	.96	.92	.89	.91	.89	.86	.88	.85	.83	.81
2.0	.89	.82	.76	.87	.81	.75	.83	.78	.73	.80	.75	.71	.76	.73	.69	.67
3.0	.78	.70	.63	.76	.69	.62	.73	.66	.61	.70	.64	.60	.67	.62	.58	.56
4.0	.69	.60	.53	.67	.59	.53	.65	.57	.52	.62	.56	.51	.60	.54	.50	.48
5.0	.61	.52	.45	.60	.52	.45	.58	.50	.44	.56	.49	.44	.53	.48	.43	.41
6.0	.55	.46	.40	.54	.46	.39	.52	.44	.39	.50	.43	.38	.48	.42	.38	.36
7.0	.50	.41	.35	.49	.41	.35	.47	.40	.34	.46	.39	.34	.44	.38	.33	.31
8.0	.45	.37	.31	.45	.36	.31	.43	.36	.30	.42	.35	.30	.40	.34	.30	.28
9.0	.42	.33	.28	.41	.33	.28	.40	.32	.27	.38	.32	.27	.37	.31	.27	.25
10.0	.38	.30	.25	.38	.30	.25	.37	.30	.25	.36	.29	.25	.35	.29	.24	.23



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:LINZINA
Test Date:2025-04-09

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.820m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:23.997V I:0.7619A P:18.283W PF:1.0000 Freq:0Hz		
Lamp Flux:2098.2x1 lm		
NAME: S010240XC2PZ Mixed	TYPE: LED	WEIGHT:
SPEC.: 1000x10MM	DIM.: 1000x10MM	SERIAL No.: 10102-0123-00
MFR.: iPixel LED	SUR.: 1000x10MM	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						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.319	.181	.057	.311	.178	.056	.297	.170	.054	.284	.164	.052	.271	.157	.051		
2.0	.298	.163	.050	.291	.161	.049	.279	.155	.048	.267	.150	.047	.256	.145	.046		
3.0	.275	.146	.044	.269	.144	.043	.257	.140	.042	.247	.135	.042	.237	.131	.041		
4.0	.253	.132	.039	.248	.130	.038	.238	.126	.038	.228	.122	.037	.219	.119	.036		
5.0	.233	.119	.034	.229	.117	.034	.220	.114	.034	.211	.111	.033	.203	.109	.033		
6.0	.216	.108	.031	.212	.107	.031	.204	.104	.030	.196	.102	.030	.189	.100	.030		
7.0	.201	.099	.028	.197	.098	.028	.190	.096	.028	.183	.094	.027	.177	.092	.027		
8.0	.187	.092	.026	.184	.091	.026	.177	.089	.025	.171	.087	.025	.165	.085	.025		
9.0	.175	.085	.024	.172	.084	.024	.166	.082	.023	.161	.081	.023	.156	.079	.023		
10.0	.165	.079	.022	.162	.078	.022	.157	.077	.022	.152	.075	.021	.147	.074	.021		

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						Ceiling Cavity Exitance Coefficients (CCEC)										
0.0	.206	.206	.206	.176	.176	.176	.120	.120	.120	.069	.069	.069	.022	.022	.022		
1.0	.197	.172	.150	.168	.148	.129	.115	.102	.089	.066	.059	.052	.021	.019	.017		
2.0	.189	.148	.113	.162	.127	.098	.111	.088	.068	.064	.051	.040	.021	.017	.013		
3.0	.182	.130	.090	.156	.113	.078	.107	.078	.055	.062	.046	.032	.020	.015	.011		
4.0	.174	.117	.074	.149	.101	.064	.103	.071	.045	.059	.041	.027	.019	.013	.009		
5.0	.167	.107	.063	.143	.093	.055	.099	.065	.039	.057	.038	.023	.018	.012	.008		
6.0	.159	.099	.055	.137	.085	.048	.095	.060	.034	.055	.035	.020	.018	.011	.007		
7.0	.153	.092	.049	.131	.080	.043	.091	.056	.030	.053	.033	.018	.017	.011	.006		
8.0	.146	.086	.045	.126	.075	.039	.087	.052	.028	.051	.031	.017	.016	.010	.005		
9.0	.140	.081	.041	.121	.070	.036	.083	.049	.026	.049	.029	.015	.016	.010	.005		
10.0	.134	.077	.039	.116	.067	.034	.080	.047	.024	.047	.028	.014	.015	.009	.005		

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:LINZINA
Test Date:2025-04-09

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.820m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:23.997V I:0.7619A P:18.283W PF:1.0000 Freq:0Hz										
Lamp Flux:2098.2x1 lm										
NAME: S010240XC2PZ Mixed					TYPE: LED			WEIGHT:		
SPEC.: 1000x10MM					DIM.: 1000x10MM			SERIAL No.: 10102-0123-00		
MFR.: iPixel LED					SUR.: 1000x10MM			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	25.1	26.6	25.4	26.9	27.1	25.3	26.8	25.6	27.1	27.3
3H	26.7	28.1	27.1	28.4	28.7	27.1	28.5	27.4	28.7	29.0
4H	27.4	28.7	27.7	29.0	29.3	27.8	29.1	28.1	29.4	29.7
6H	27.9	29.1	28.2	29.4	29.8	28.4	29.6	28.8	30.0	30.3
8H	28.0	29.2	28.4	29.5	29.9	28.6	29.8	29.0	30.1	30.5
12H	28.1	29.3	28.5	29.6	29.9	28.8	30.0	29.2	30.3	30.6
4H 2H	25.8	27.2	26.2	27.4	27.7	26.0	27.3	26.3	27.6	27.9
3H	27.6	28.8	28.0	29.1	29.5	27.9	29.1	28.3	29.4	29.8
4H	28.4	29.5	28.8	29.9	30.2	28.8	29.8	29.2	30.2	30.6
6H	29.0	30.0	29.5	30.4	30.8	29.5	30.5	29.9	30.8	31.3
8H	29.2	30.1	29.7	30.5	31.0	29.8	30.7	30.2	31.1	31.5
12H	29.4	30.2	29.8	30.6	31.1	30.0	30.9	30.5	31.3	31.7
8H 4H	28.8	29.7	29.2	30.1	30.5	29.1	30.0	29.5	30.4	30.8
6H	29.6	30.3	30.0	30.7	31.2	30.0	30.7	30.5	31.2	31.6
8H	29.9	30.5	30.4	31.0	31.5	30.4	31.0	30.9	31.5	32.0
12H	30.1	30.7	30.6	31.1	31.7	30.7	31.3	31.3	31.8	32.3
12H 4H	28.8	29.6	29.3	30.0	30.5	29.1	29.9	29.6	30.3	30.8
6H	29.7	30.3	30.1	30.8	31.3	30.1	30.7	30.6	31.2	31.7
8H	30.0	30.6	30.5	31.1	31.6	30.5	31.1	31.0	31.6	32.1
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.4					+ 0.1 / - 0.4				

CIE Pub.117, 2098 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 2.6)
Area: 0.01 m2

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:LINZINA
Test Date:2025-04-09

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.820m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:23.997V I:0.7619A P:18.283W PF:1.0000 Freq:0Hz Lamp Flux:2098.2x1 lm		
NAME: S010240XC2PZ Mixed	TYPE: LED	WEIGHT:
SPEC.: 1000x10MM	DIM.: 1000x10MM	SERIAL No.: 10102-0123-00
MFR.: iPixel LED	SUR.: 1000x10MM	Shielding Angle:

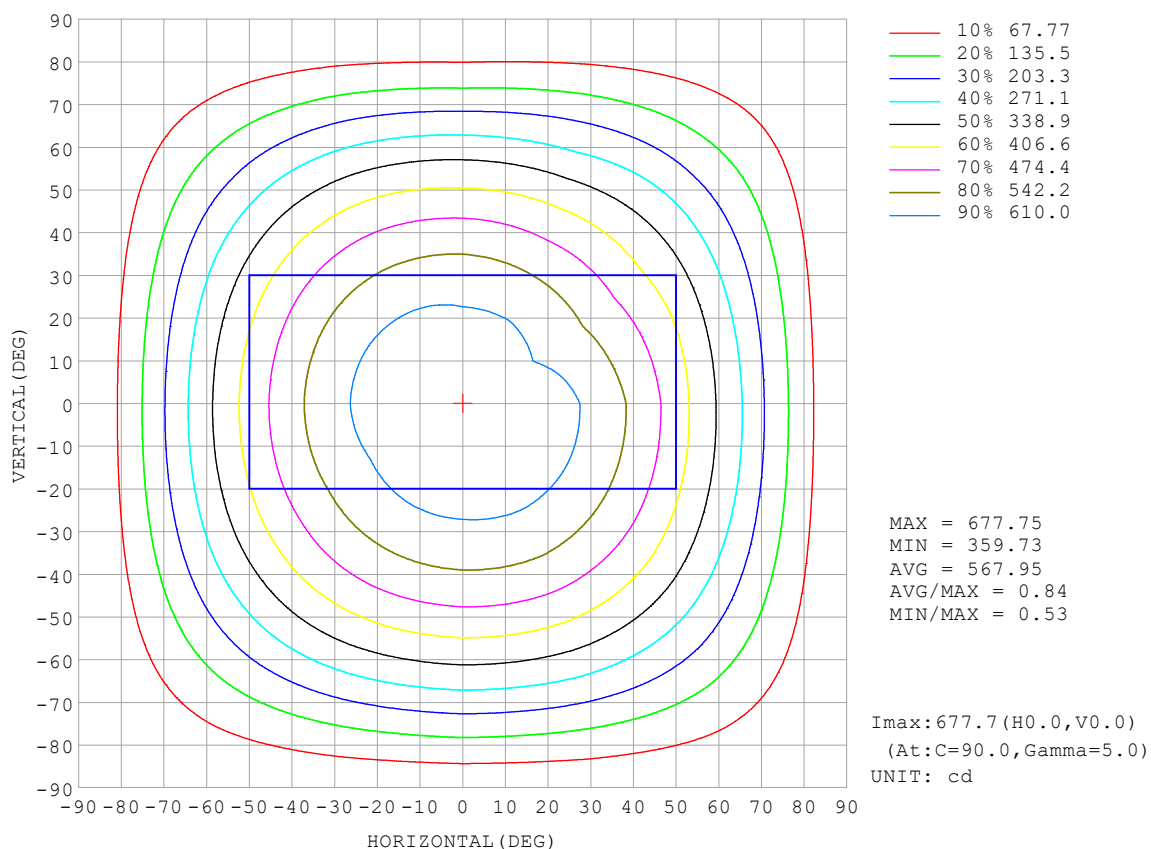
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	56	44	37	55	44	37	54	43	37	30
0.80	66	54	46	65	53	46	63	53	46	39
1.00	74	63	55	73	62	55	70	63	54	47
1.25	81	71	63	80	70	63	77	68	62	54
1.50	86	76	69	85	75	68	81	73	67	59
2.00	93	85	78	91	83	77	88	81	75	67
2.50	98	89	83	95	88	82	91	85	80	71
3.00	101	94	88	99	92	87	94	89	84	75
4.00	105	99	94	103	97	93	98	94	90	80
5.00	108	103	98	105	100	97	100	96	93	83
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: LINZINA
Test Date: 2025-04-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity: 65.0%
Test Distance: 6.820m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:23.997V I:0.7619A P:18.283W PF:1.0000 Freq:0Hz Lamp Flux:2098.2x1 lm		
NAME: S010240XC2PZ Mixed	TYPE: LED	WEIGHT:
SPEC.: 1000×10MM	DIM.: 1000×10MM	SERIAL No.: 10102-0123-00
MFR.: iPixel LED	SUR.: 1000×10MM	Shielding Angle:

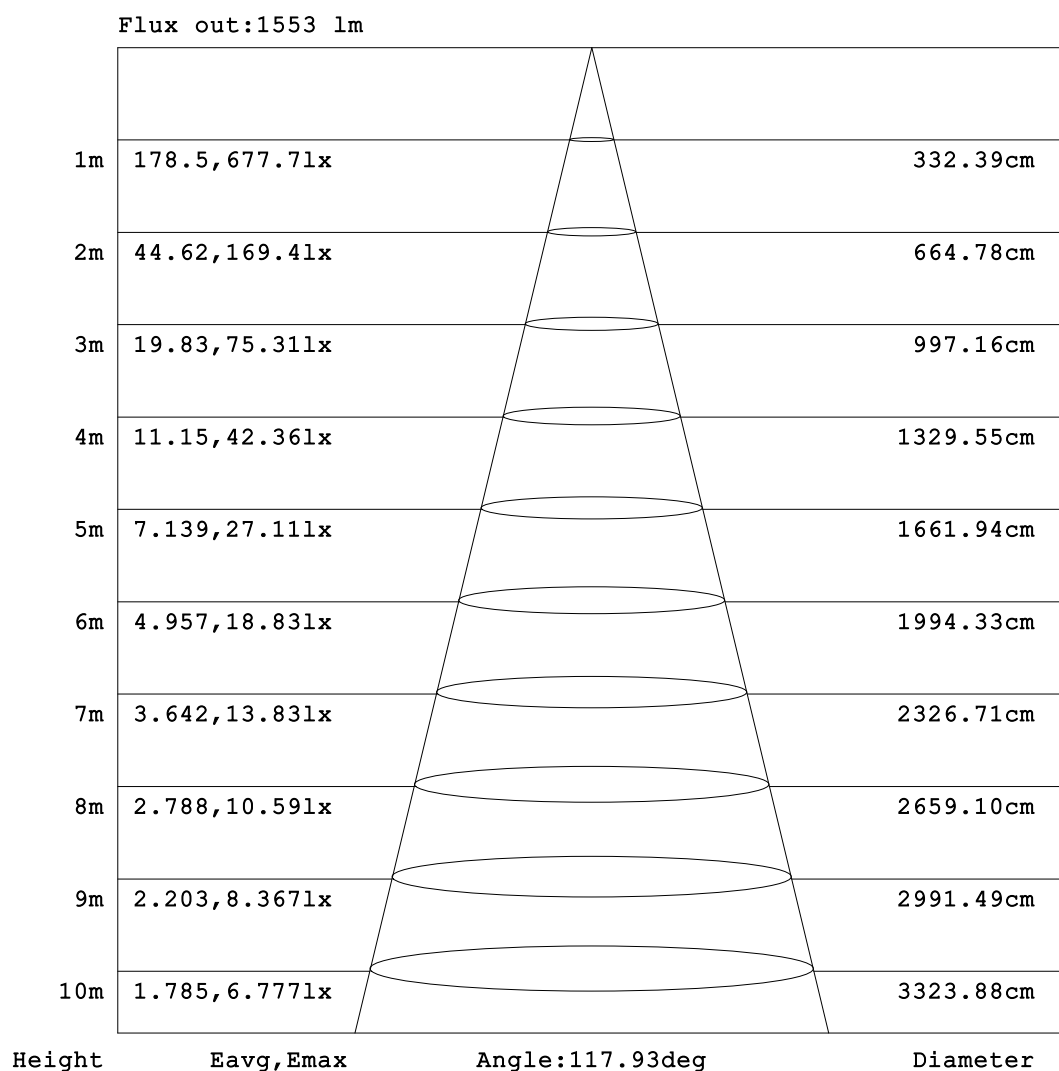


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: LINZINA
Test Date: 2025-04-09

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity: 65.0%
Test Distance: 6.820m [K=1.0000]
Remarks:

AAI Figure

Test:U:23.997V I:0.7619A P:18.283W PF:1.0000 Freq:0Hz Lamp Flux:2098.2x1 lm		
NAME: S010240XC2PZ Mixed	TYPE: LED	WEIGHT:
SPEC.: 1000x10MM	DIM.: 1000x10MM	SERIAL No.: 10102-0123-00
MFR.: iPixel LED	SUR.: 1000x10MM	Shielding Angle:



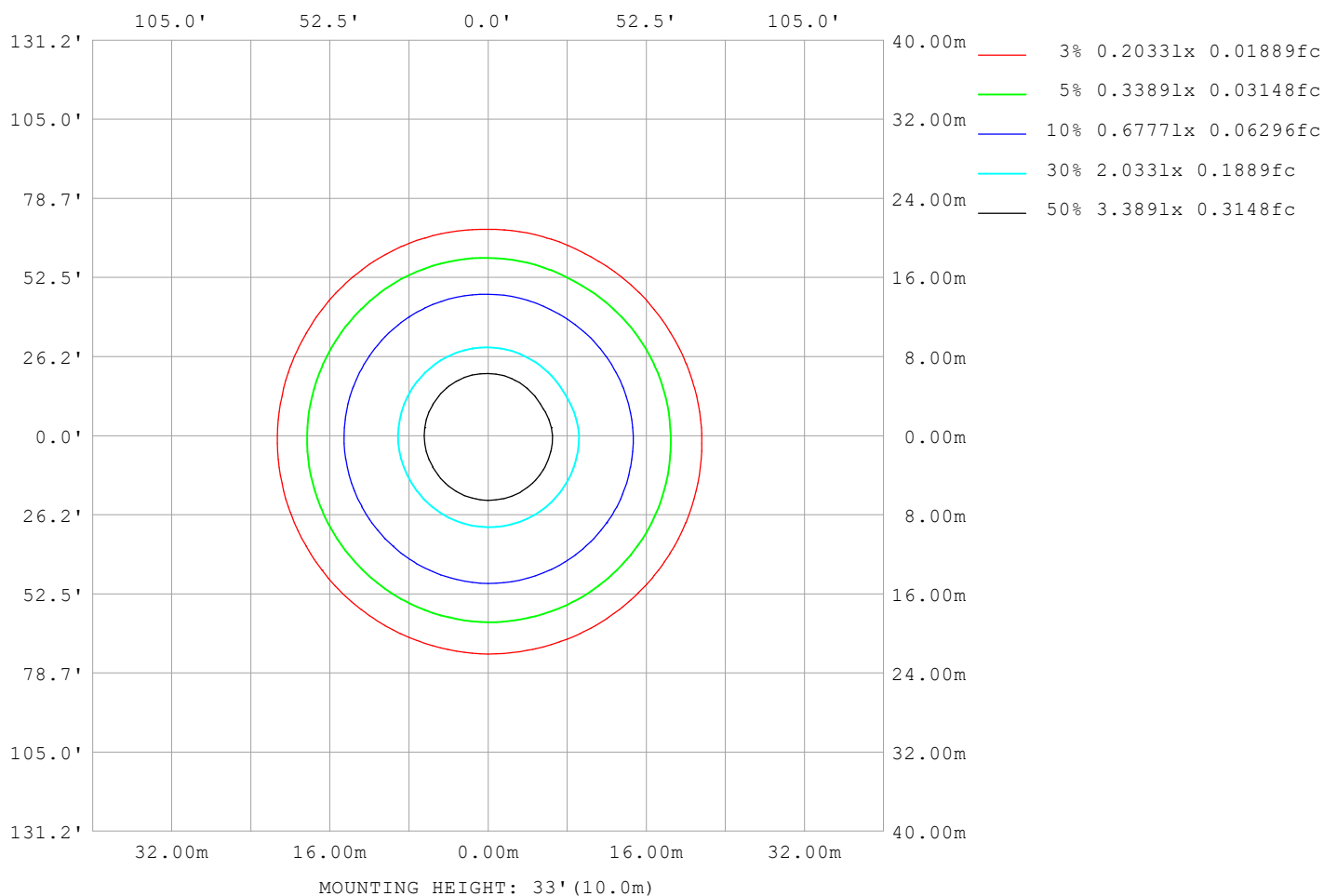
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:LINZINA
 Test Date:2025-04-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
 Humidity:65.0%
 Test Distance:6.820m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:23.997V I:0.7619A P:18.283W PF:1.0000 Freq:0Hz Lamp Flux:2098.2x1 lm		
NAME: S010240XC2PZ Mixed	TYPE: LED	WEIGHT:
SPEC.: 1000x10MM	DIM.: 1000x10MM	SERIAL No.: 10102-0123-00
MFR.: iPixel LED	SUR.: 1000x10MM	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:LINZINA
Test Date:2025-04-09

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.820m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:23.997V I:0.7619A P:18.283W PF:1.0000 Freq:0Hz Lamp Flux:2098.2x1 lm		
NAME: S010240XC2PZ Mixed	TYPE: LED	WEIGHT:
SPEC.: 1000×10MM	DIM.: 1000×10MM	SERIAL No.: 10102-0123-00
MFR.: iPixel LED	SUR.: 1000×10MM	Shielding Angle:

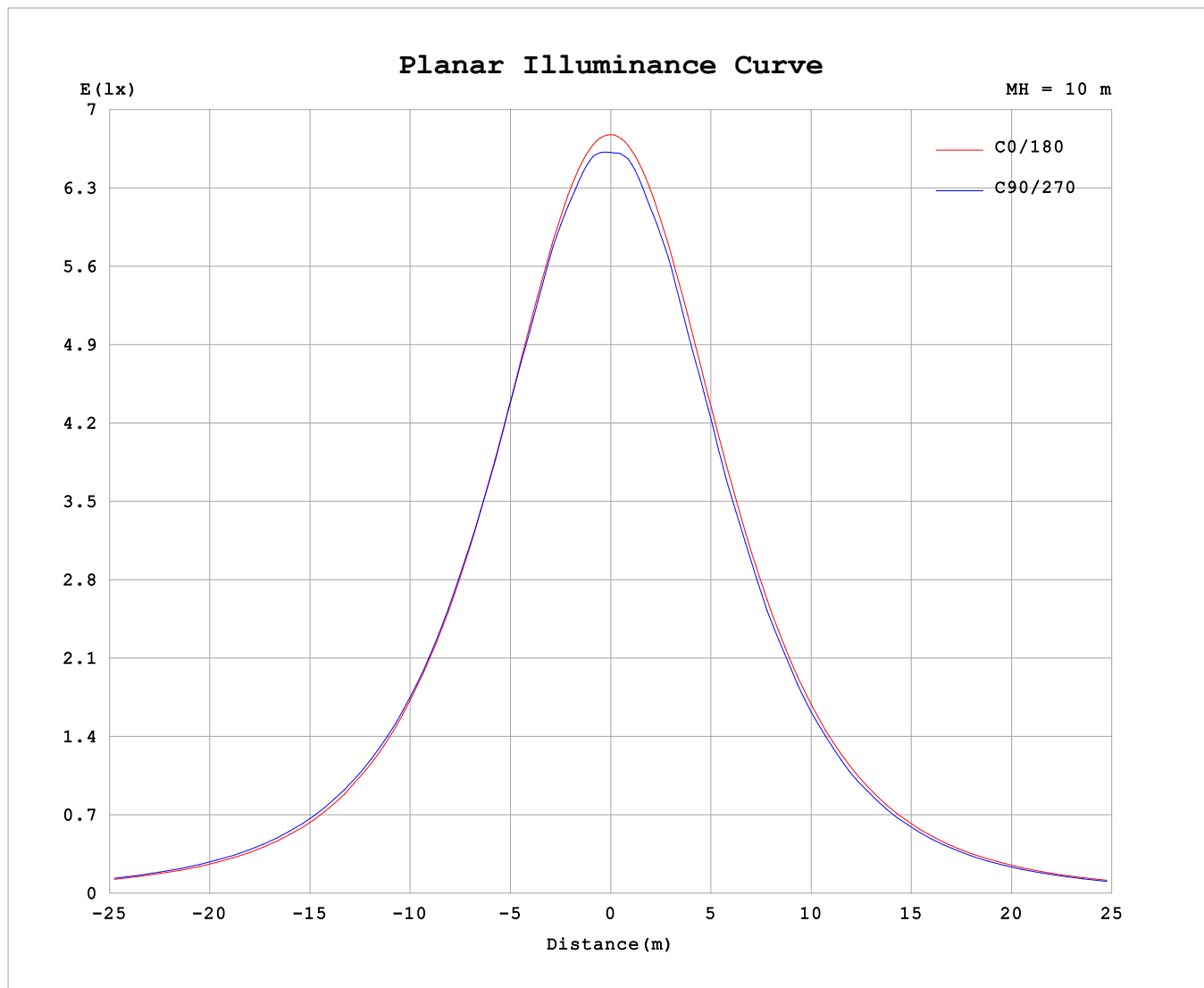
AvgL	cd/m2
L_0~180 (65) av	62812
L_0~180 (75) av	54911
L_0~180 (85) av	39970
L_90~270 (65) av	64630
L_90~270 (75) av	57859
L_90~270 (85) av	48835
L_45 (65) av	63845
L_45 (75) av	57150
L_45 (85) av	48798

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:LINZINA
Test Date:2025-04-09

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.820m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators: LINZINA
 Test Date: 2025-04-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.488
 Humidity: 65.0%
 Test Distance: 6.820m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:23.997V I:0.7619A P:18.283W PF:1.0000 Freq:0Hz Lamp Flux:2098.2x1 lm		
NAME: S010240XC2PZ Mixed	TYPE: LED	WEIGHT:
SPEC.: 1000×10MM	DIM.: 1000×10MM	SERIAL No.: 10102-0123-00
MFR.: iPixel LED	SUR.: 1000×10MM	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330							
0	668	668	668	668	668	668	668	668	668	668	668	668							
5	666	667	666	672	664	668	666	665	665	669	661	662							
10	660	662	661	664	665	662	659	657	657	658	657	651							
15	649	652	652	658	656	644	647	645	644	648	642	635							
20	633	637	640	642	641	640	630	628	626	627	625	618							
25	613	617	622	626	621	622	608	605	603	606	599	597							
30	587	593	596	599	597	597	581	578	576	574	570	570							
35	557	563	569	574	567	566	549	545	543	547	538	538							
40	521	529	536	539	532	530	513	508	506	508	501	501							
45	481	489	497	500	493	489	471	466	464	463	454	460							
50	433	445	453	459	449	443	425	419	417	414	409	417							
55	380	396	405	409	400	392	373	367	366	363	357	375							
60	327	343	352	356	346	337	318	311	310	307	302	322							
65	272	286	294	300	289	277	259	251	251	247	247	263							
70	208	226	234	239	227	216	197	190	189	184	192	200							
75	150	164	172	177	165	153	135	128	128	122	132	139							
80	90.9	104	112	116	106	93.9	76.3	72.6	71.6	66.6	76.1	82.9							
85	40.3	51.7	59.4	62.4	55.7	45.4	29.4	28.9	28.7	22.7	31.0	36.0							
90	9.99	17.8	23.7	15.3	23.5	17.8	6.98	8.42	7.87	2.65	7.91	9.93							
95	4.02	3.74	10.5	2.61	14.1	11.8	4.11	3.64	3.04	3.08	3.01	3.76							
100	2.94	2.97	7.65	3.06	12.6	12.8	3.35	3.27	3.50	3.61	3.49	3.32							
105	3.44	3.62	7.72	3.54	12.6	14.5	3.82	3.79	4.05	4.20	4.02	3.93							
110	3.99	4.08	6.23	4.07	4.80	15.5	4.37	4.35	4.61	4.77	4.56	5.01							
115	4.53	4.49	4.58	4.59	4.58	14.3	4.91	4.91	5.18	5.32	5.10	6.67							
120	5.08	5.05	5.00	5.10	5.03	9.46	5.37	5.46	5.72	5.85	5.68	8.68							
125	5.63	5.58	5.47	5.63	5.57	6.26	5.79	6.02	6.28	6.38	6.37	10.6							
130	6.18	6.15	6.02	6.18	6.14	6.17	6.36	6.59	6.82	6.92	7.21	12.5							
135	6.74	6.62	6.56	6.73	6.71	6.68	6.96	7.14	7.38	7.47	7.60	12.9							
140	7.31	7.15	7.13	7.30	7.27	7.22	7.60	7.69	7.93	8.01	7.90	12.0							
145	7.83	7.69	7.68	7.85	7.82	7.75	8.11	8.20	8.44	8.53	8.40	9.08							
150	8.34	8.22	8.23	8.39	8.35	8.26	8.67	8.69	8.92	9.00	8.87	8.92							
155	8.84	8.72	8.77	9.06	8.84	8.74	8.94	9.14	9.37	9.44	9.31	9.15							
160	9.32	9.19	9.41	9.54	9.29	9.20	9.38	9.56	9.78	9.84	9.70	9.46							
165	9.77	9.62	9.85	9.96	9.72	9.62	9.79	9.93	10.1	10.2	10.04	9.79							
170	10.1	10.1	10.2	10.3	10.07	9.98	10.1	10.2	10.4	10.5	10.3	10.08							
175	10.4	10.4	10.5	10.6	10.4	10.3	10.4	10.5	10.7	10.7	10.5	10.3							
180	10.6	10.6	10.7	10.8	10.6	10.5	10.6	10.6	10.7	10.8	10.6	10.4							

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γ Range: 0 - 180DEG
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