

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P793759

Luminaire Tested: LER6D55D010-EC6DR3055659040-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P793759
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D55D010-EC6DR3055659040-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5414.8 lumens
Efficiency: N/A
Efficacy: 93.0 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

Input Watts (W): 58.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

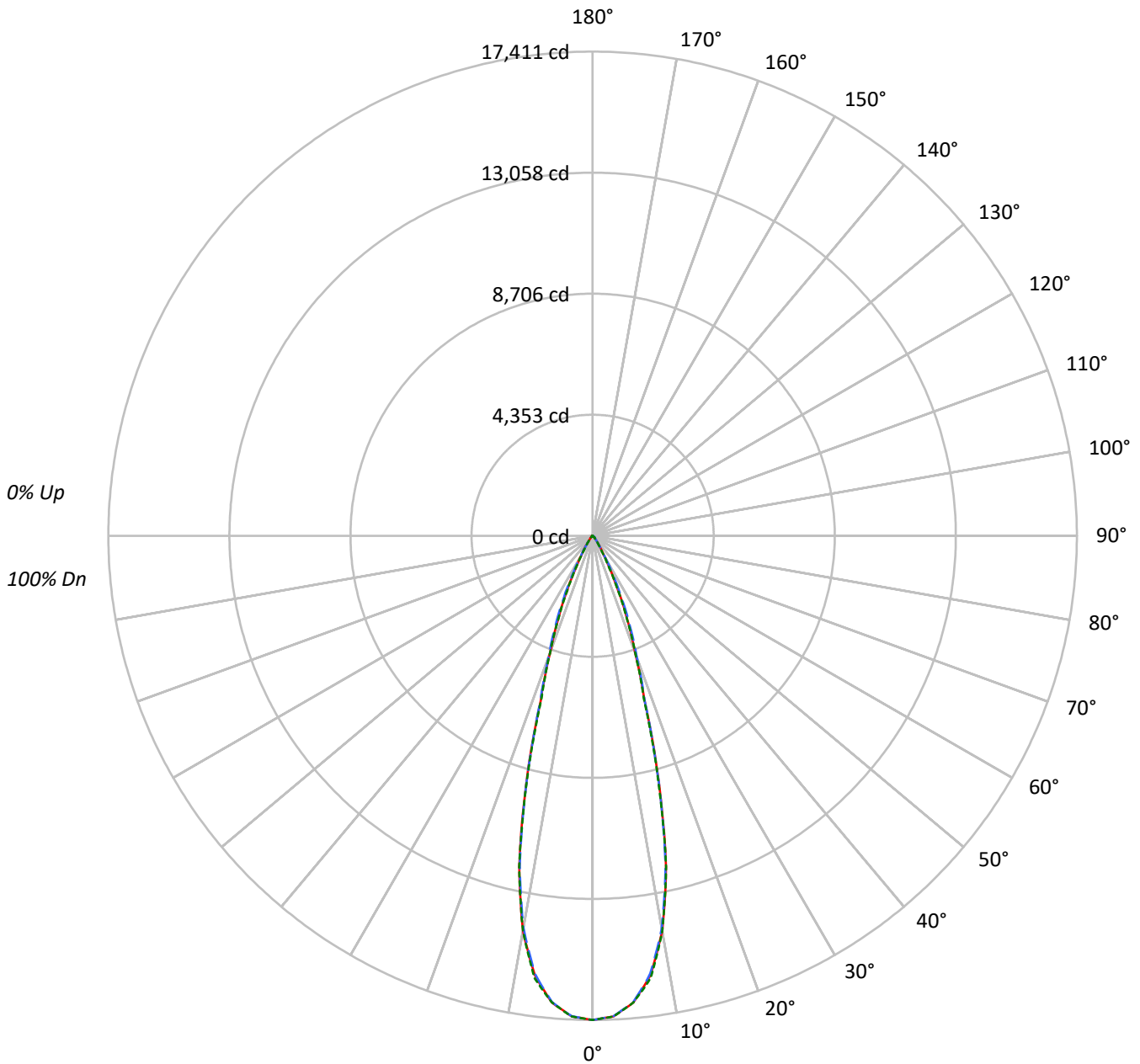


Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0													
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96																			
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92																			
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89																			
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85																			
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82																			
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79																			
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77																			
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74																			
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72																			
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1332712	1332712	1332712
5°	1294452	1292939	1294514
10°	1121187	1113283	1120923
15°	731521	727591	723937
20°	363749	377401	363260
25°	183236	206622	179478
30°	73359	79935	63920
35°	34032	32593	27323
40°	14688	16317	13839
45°	10359	12860	10457
50°	3561	9360	3763
55°	2055	3883	2162
60°	1439	1699	1439
65°	924	924	924
70°	582	380	582
75°	0	266	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 12860 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1531.0	28.3
10°-20°	2465.8	45.5
20°-30°	1065.5	19.7
30°-40°	242.9	4.5
40°-50°	83.4	1.5
50°-60°	20.4	0.4
60°-70°	5.3	0.1
70°-80°	0.6	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	5062.3	93.5
0°-40°	5305.2	98.0
0°-60°	5408.9	99.9
0°-90°	5414.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5414.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	17411	17411	17411	17411	17411	
5°	16847	16831	16827	16862	16848	1532
15°	9231	9120	9182	9152	9136	2472
25°	2170	2252	2446	2194	2125	1038
35°	364	372	349	346	292	247
45°	96	119	119	119	97	68
55°	15	16	29	17	16	15
65°	5	5	5	5	5	5
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	17411.2	17411.2	17411.2	17411.2	17411.2
2.5°	17295.8	17283.8	17290.6	17299.2	17302.6
5°	16847.0	16830.7	16827.3	16862.4	16847.8
7.5°	15941.7	15918.6	15883.6	15963.1	16037.5
10°	14425.2	14399.6	14323.5	14361.1	14421.8
12.5°	12186.4	12103.5	12101.8	12221.5	12205.3
15°	9231.3	9120.2	9181.7	9151.8	9135.6
17.5°	6207.8	6165.0	6247.1	6222.3	6115.4
20°	4465.6	4476.7	4633.2	4554.5	4459.6
22.5°	3258.6	3298.8	3484.3	3281.7	3207.3
25°	2169.6	2251.6	2446.5	2194.3	2125.1
27.5°	1334.4	1372.0	1569.5	1317.3	1279.7
30°	830.0	811.2	904.4	776.2	723.2
32.5°	544.5	520.6	550.5	494.1	451.3
35°	364.2	371.9	348.8	346.2	292.4
37.5°	227.4	261.6	230.8	246.2	188.1
40°	147.0	189.8	163.3	180.4	138.5
42.5°	120.5	146.2	134.2	142.8	123.1
45°	95.7	118.8	118.8	118.8	96.6
47.5°	53.0	79.5	101.7	81.2	56.4
50°	29.9	40.2	78.6	41.9	31.6
52.5°	20.5	23.1	53.9	23.9	21.4
55°	15.4	16.2	29.1	17.1	16.2
57.5°	12.0	12.8	15.4	12.8	12.0
60°	9.4	9.4	11.1	10.3	9.4
62.5°	6.8	6.8	7.7	6.8	6.8
65°	5.1	5.1	5.1	5.1	5.1
67.5°	2.6	3.4	3.4	3.4	3.4
70°	2.6	1.7	1.7	1.7	2.6
72.5°	1.7	0.9	0.9	0.9	0.9
75°	0.0	0.0	0.9	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



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Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270°

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