

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: P793728

Luminaire Tested: LER6D55D010-EC6DR3055659024-6LBDP1H

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P793728  
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-EC6DR3055659024-6LBDP1H  
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5448.4 lumens  
Efficiency: N/A  
Efficacy: 93.6 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<sub>in</sub>): 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

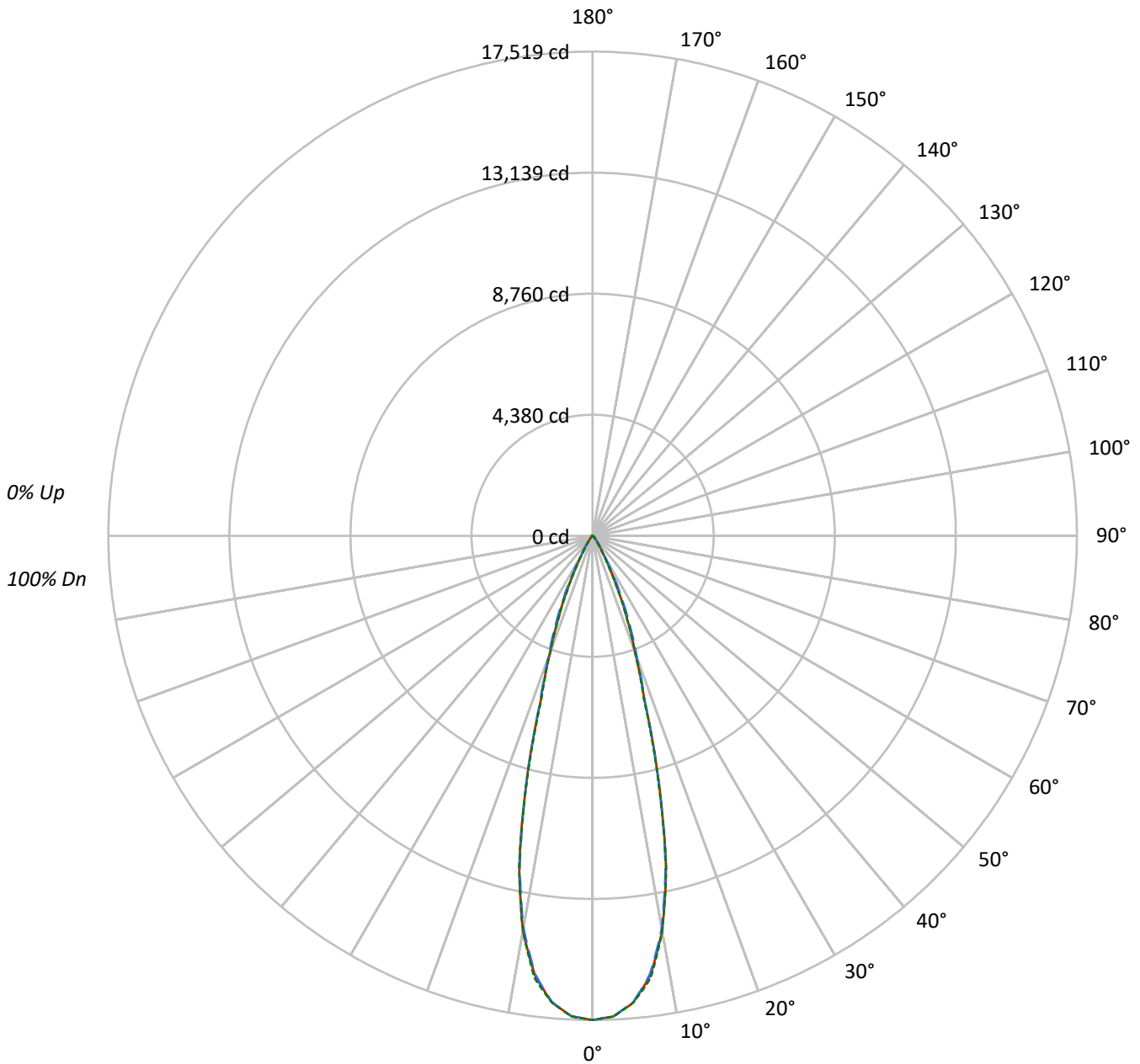


Downlight

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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	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°	1340971	1340971	1340971
5°	1302474	1300953	1302543
10°	1128143	1120185	1127871
15°	736054	732100	728423
20°	366005	379739	365517
25°	184368	207906	180593
30°	73819	80430	64318
35°	34237	32789	27491
40°	14778	16417	13919
45°	10424	12947	10522
50°	3584	9419	3787
55°	2068	3897	2175
60°	1454	1715	1454
65°	942	942	942
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: 12947 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1540.5	28.3
10°-20°	2481.1	45.5
20°-30°	1072.1	19.7
30°-40°	244.4	4.5
40°-50°	83.9	1.5
50°-60°	20.5	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°	5093.7	93.5
0°-40°	5338.1	98.0
0°-60°	5442.5	99.9
0°-90°	5448.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5448.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	17519	17519	17519	17519	17519	
5°	16951	16935	16932	16967	16952	1542
15°	9288	9177	9239	9208	9192	2487
25°	2183	2266	2462	2208	2138	1045
35°	366	374	351	348	294	249
45°	96	120	120	120	97	68
55°	16	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°	17519.1	17519.1	17519.1	17519.1	17519.1
2.5°	17403.0	17390.9	17397.8	17406.4	17409.9
5°	16951.4	16935.1	16931.6	16966.9	16952.3
7.5°	16040.5	16017.3	15982.1	16062.0	16136.9
10°	14514.7	14488.9	14412.3	14450.2	14511.2
12.5°	12262.0	12178.6	12176.8	12297.3	12280.9
15°	9288.5	9176.7	9238.6	9208.5	9192.2
17.5°	6246.3	6203.2	6285.8	6260.9	6153.4
20°	4493.3	4504.5	4661.9	4582.8	4487.3
22.5°	3278.8	3319.2	3505.9	3302.0	3227.2
25°	2183.0	2265.6	2461.7	2208.0	2138.3
27.5°	1342.7	1380.5	1579.2	1325.5	1287.6
30°	835.2	816.3	910.0	781.0	727.7
32.5°	547.9	523.8	553.9	497.2	454.1
35°	366.4	374.2	350.9	348.4	294.2
37.5°	228.8	263.2	232.2	247.7	189.2
40°	147.9	190.9	164.3	181.5	139.3
42.5°	121.3	147.1	135.0	143.6	123.9
45°	96.3	119.6	119.6	119.6	97.2
47.5°	53.3	80.0	102.4	81.7	56.8
50°	30.1	40.4	79.1	42.1	31.8
52.5°	20.6	23.2	54.2	24.1	21.5
55°	15.5	16.3	29.2	17.2	16.3
57.5°	12.0	12.9	15.5	12.9	12.0
60°	9.5	9.5	11.2	10.3	9.5
62.5°	6.9	6.9	7.7	6.9	6.9
65°	5.2	5.2	5.2	5.2	5.2
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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(END OF REPORT)