

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: P794137

Luminaire Tested: LER6D55D010-EC6DR7055659035-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P794137
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D55D010-EC6DR7055659035-6LBDDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6973.7 lumens
Efficiency: N/A
Efficacy: 119.8 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

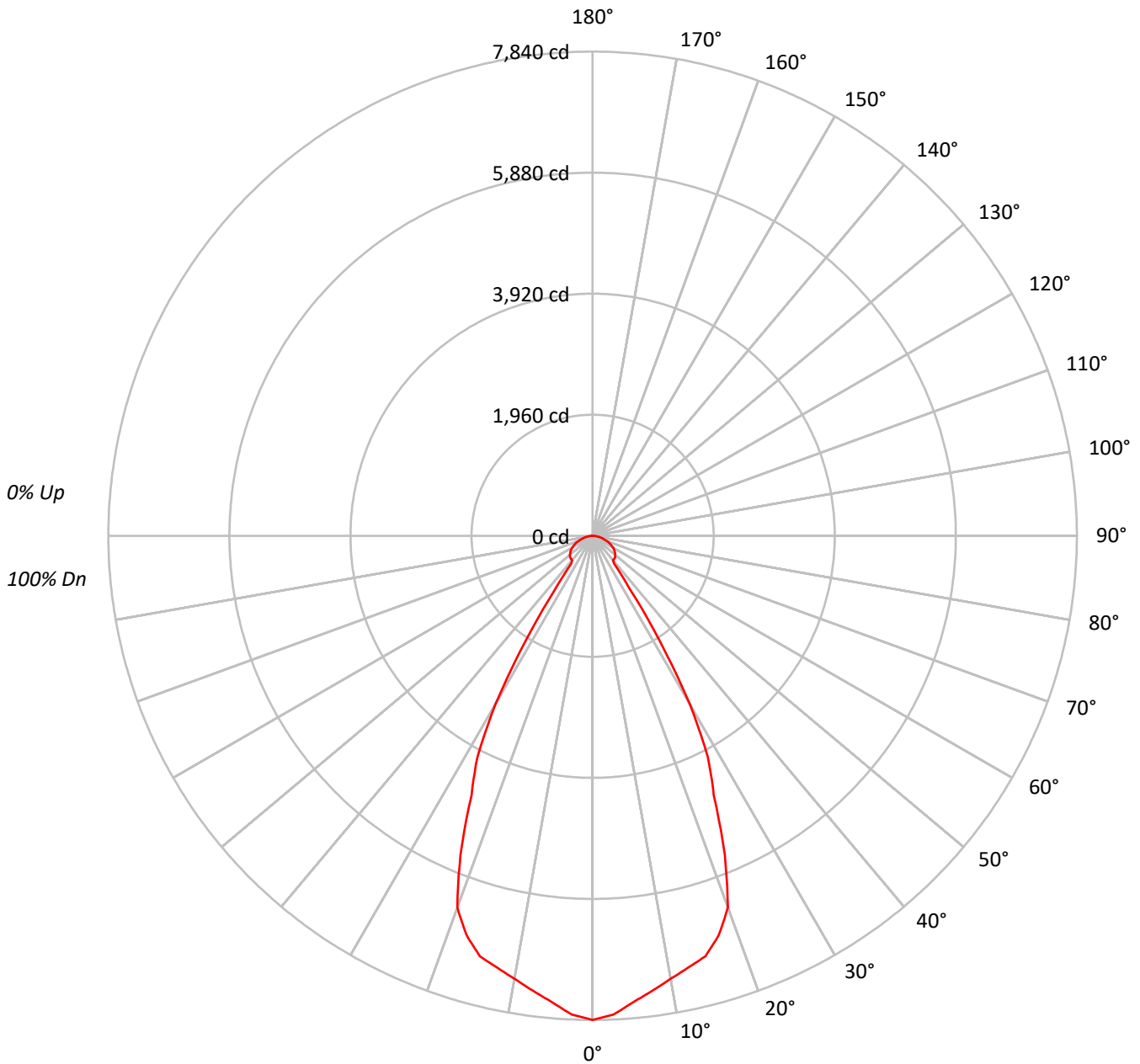
Input Watts (W): 58.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91																			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83																			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76																			
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70																			
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65																			
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61																			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57																			
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53																			
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50																			
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	856648
5°	831196
10°	808033
15°	797427
20°	744635
25°	559404
30°	395447
35°	140079
40°	73654
45°	78449
50°	81233
55°	82768
60°	83279
65°	81515
70°	76925
75°	71259
80°	63298
85°	51399

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 83293 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	714.8	10.3
10°-20°	1960.7	28.1
20°-30°	2159.5	31.0
30°-40°	825.1	11.8
40°-50°	389.6	5.6
50°-60°	387.3	5.6
60°-70°	310.1	4.4
70°-80°	178.2	2.6
80°-90°	48.5	0.7
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°	4835.0	69.3
0°-40°	5660.1	81.2
0°-60°	6436.9	92.3
0°-90°	6973.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6973.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7840	
5°	7578	715
15°	7050	1961
25°	4640	2159
35°	1050	825
45°	508	390
55°	434	387
65°	315	310
75°	169	178
85°	41	48
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7840.4
2.5°	7758.5
5°	7578.5
7.5°	7428.3
10°	7283.1
12.5°	7160.2
15°	7049.7
17.5°	6782.8
20°	6404.2
22.5°	5587.4
25°	4640.2
27.5°	4039.4
30°	3134.4
32.5°	2024.7
35°	1050.2
37.5°	567.3
40°	516.4
42.5°	512.7
45°	507.7
47.5°	496.5
50°	477.9
52.5°	456.8
55°	434.5
57.5°	409.6
60°	381.1
62.5°	348.8
65°	315.3
67.5°	278.1
70°	240.8
72.5°	203.6
75°	168.8
77.5°	132.8
80°	100.6
82.5°	70.8
85°	41.0
87.5°	16.1
90°	0.0

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

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)