

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



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: P794077

Luminaire Tested: LER6D55D010-EC6DR6555659027-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P794077
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D55D010-EC6DR6555659027-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6121.0 lumens
Efficiency: N/A
Efficacy: 105.2 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' x H: 0')
CIE Type: Direct

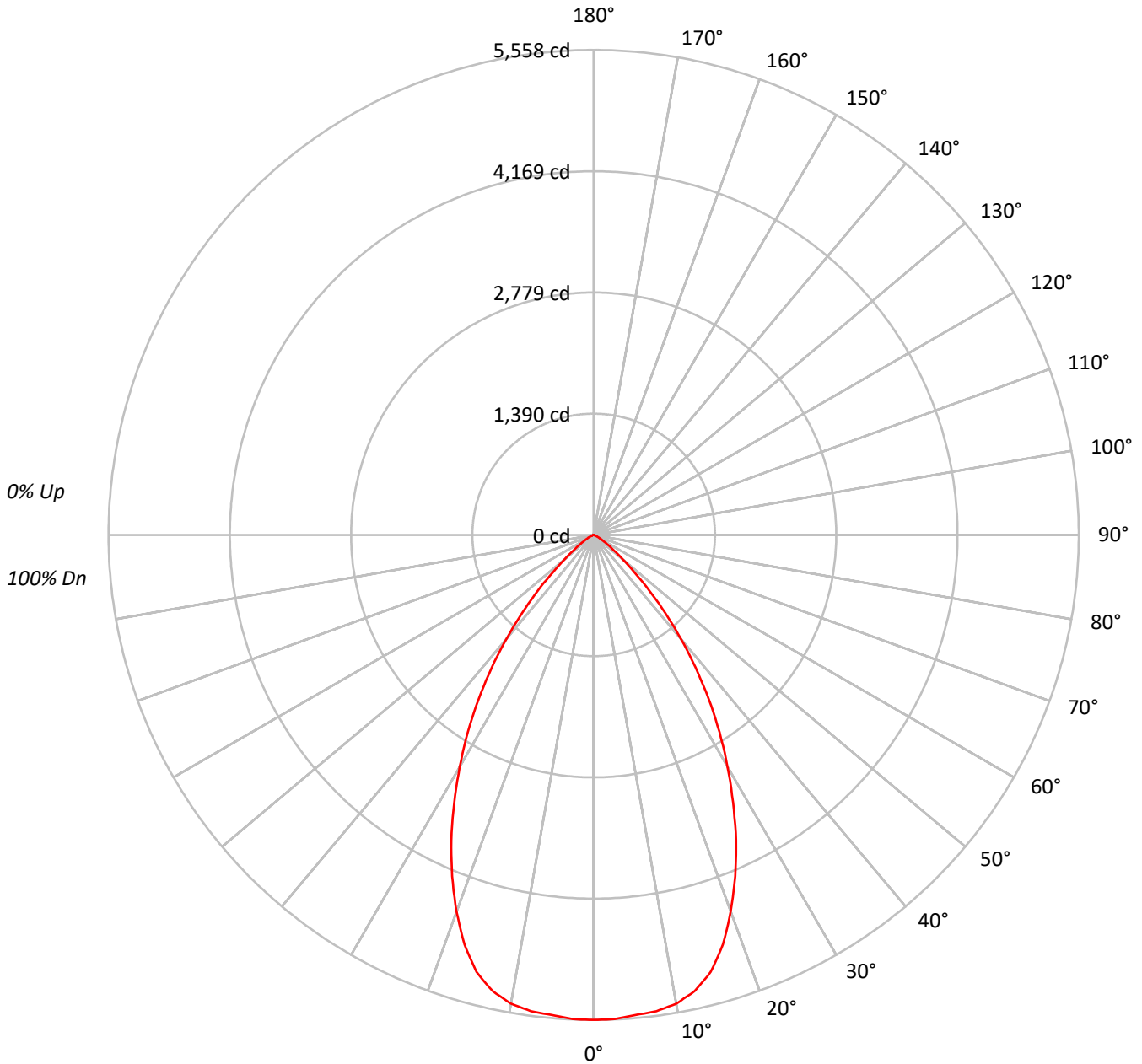
Input Watts (W): 58.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				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	100	100	100
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93	93	93	93
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85	85	85	85
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78	78	78	78
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72	72	72	72
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66	66	66	66
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61	61	61	61
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56	56	56	56
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52	52	52	52
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49	49	49	49
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46	46	46	46

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	324585
5°	323767
10°	323490
15°	313519
20°	285421
25°	248725
30°	206869
35°	163914
40°	118303
45°	74741
50°	38961
55°	20711
60°	10875
65°	5984
70°	2510
75°	2776
80°	1917
85°	1675

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 74741 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	525.6	8.6
10°-20°	1439.2	23.5
20°-30°	1759.2	28.7
30°-40°	1427.4	23.3
40°-50°	711.3	11.6
50°-60°	198.4	3.2
60°-70°	45.1	0.7
70°-80°	11.8	0.2
80°-90°	3.0	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°	3724.0	60.8
0°-40°	5151.4	84.2
0°-60°	6061.1	99.0
0°-90°	6121.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6121.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5558	
5°	5522	526
15°	5185	1439
25°	3860	1759
35°	2299	1427
45°	905	711
55°	203	198
65°	43	45
75°	12	12
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5557.6
2.5°	5553.6
5°	5522.5
7.5°	5504.6
10°	5454.7
12.5°	5353.5
15°	5185.2
17.5°	4922.2
20°	4592.3
22.5°	4236.2
25°	3859.7
27.5°	3457.1
30°	3067.5
32.5°	2682.9
35°	2299.0
37.5°	1916.0
40°	1551.7
42.5°	1210.3
45°	904.9
47.5°	630.5
50°	428.8
52.5°	295.6
55°	203.4
57.5°	137.2
60°	93.1
62.5°	64.5
65°	43.3
67.5°	22.1
70°	14.7
72.5°	13.9
75°	12.3
77.5°	8.2
80°	5.7
82.5°	4.1
85°	2.5
87.5°	1.6
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)