

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: P791649

Luminaire Tested: LER6D30D010-EC6DR6020359040-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P791649
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D30D010-EC6DR6020359040-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6354.2 lumens
Efficiency: N/A
Efficacy: 219.1 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

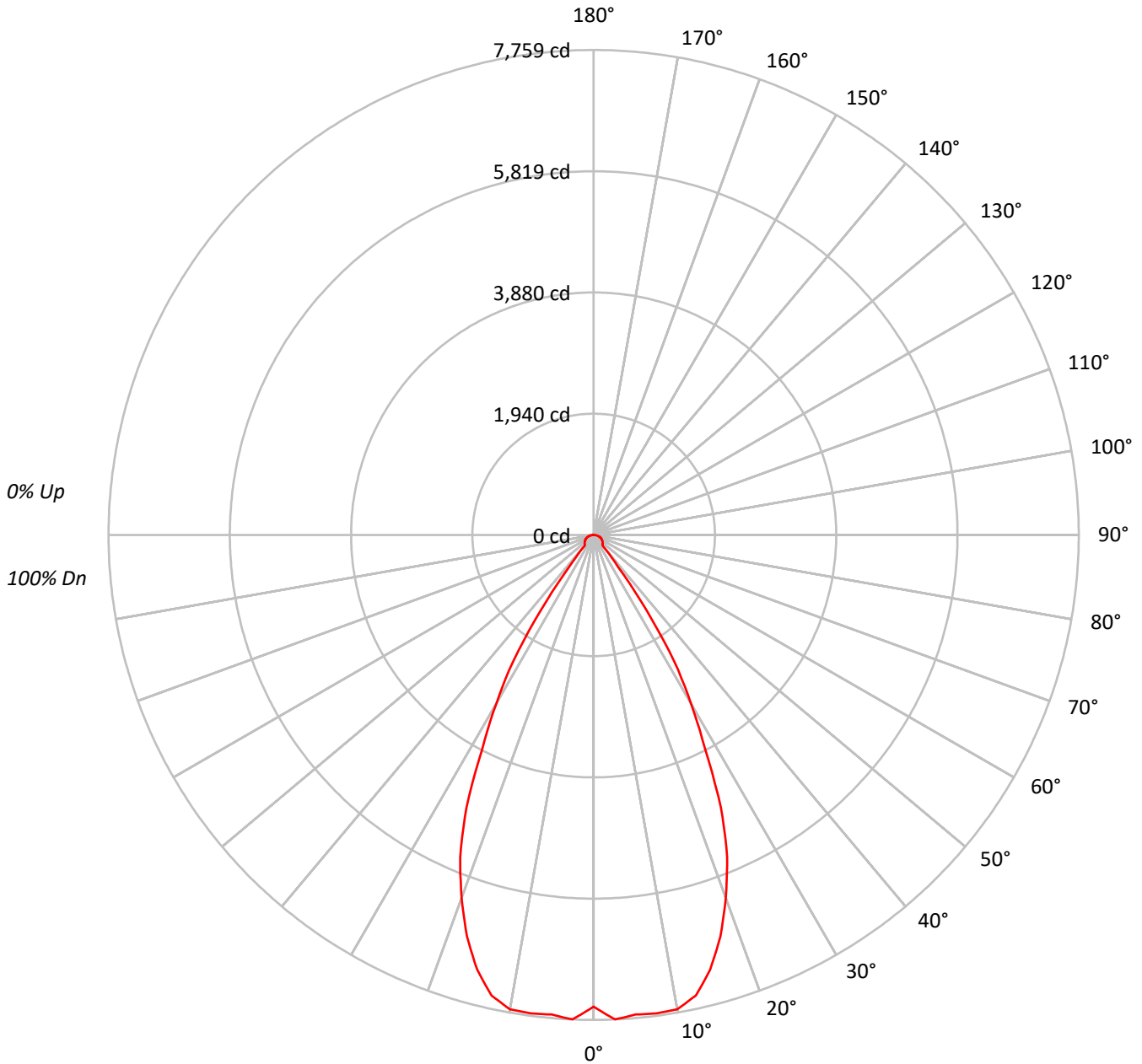
Input Watts (W): 29
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93																			
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86																			
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80																			
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75																			
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70																			
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66																			
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62																			
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59																			
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55																			
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	824536
5°	844807
10°	855007
15°	814519
20°	718148
25°	580862
30°	392898
35°	196886
40°	31935
45°	31259
50°	31888
55°	32364
60°	33259
65°	34023
70°	34821
75°	35250
80°	33977
85°	28332

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 35250 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	736.2	11.6
10°-20°	1991.8	31.3
20°-30°	2143.0	33.7
30°-40°	931.5	14.7
40°-50°	156.4	2.5
50°-60°	152.1	2.4
60°-70°	130.1	2.0
70°-80°	87.0	1.4
80°-90°	26.1	0.4
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°	4870.9	76.7
0°-40°	5802.4	91.3
0°-60°	6111.0	96.2
0°-90°	6354.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6354.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7546	
5°	7703	736
15°	7201	1992
25°	4818	2143
35°	1476	932
45°	202	156
55°	170	152
65°	132	130
75°	84	87
85°	23	26
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7546.5
2.5°	7758.6
5°	7702.6
7.5°	7720.3
10°	7706.5
12.5°	7547.4
15°	7200.8
17.5°	6735.2
20°	6176.4
22.5°	5578.3
25°	4818.2
27.5°	3853.8
30°	3114.2
32.5°	2400.3
35°	1476.1
37.5°	631.5
40°	223.9
42.5°	206.2
45°	202.3
47.5°	195.4
50°	187.6
52.5°	178.7
55°	169.9
57.5°	161.1
60°	152.2
62.5°	142.4
65°	131.6
67.5°	120.8
70°	109.0
72.5°	96.2
75°	83.5
77.5°	68.7
80°	54.0
82.5°	38.3
85°	22.6
87.5°	7.9
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)