

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: P788355

Luminaire Tested: LER6D08D010-EC6DR300210IC9040-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P788355
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: LER6D08D010-EC6DR300210IC9040-6LBS1B
Description: 6 INCH ROUND SHALLOW 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: 1418.7 lumens
Efficiency: N/A
Efficacy: 159.4 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

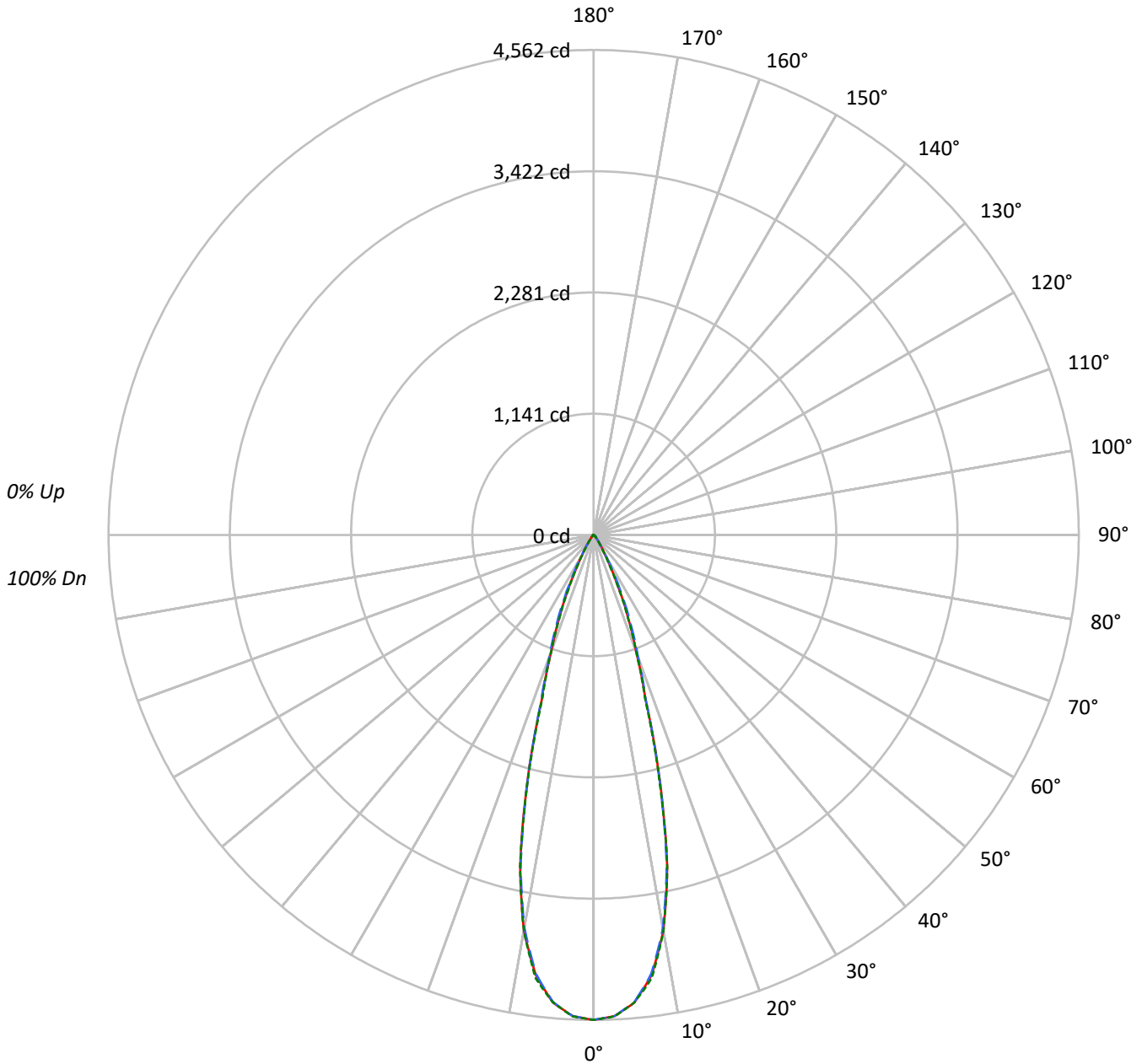
Input Watts (W): 8.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	349176	349176	349176
5°	339153	338761	339168
10°	293759	291683	293689
15°	191666	190636	189677
20°	95303	98879	95181
25°	48005	54136	47025
30°	19224	20947	16749
35°	8914	8541	7158
40°	3847	4277	3627
45°	2717	3367	2739
50°	929	2453	988
55°	534	1014	574
60°	383	444	383
65°	235	235	235
70°	157	90	157
75°	0	59	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 3367 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	401.1	28.3
10°-20°	646.0	45.5
20°-30°	279.2	19.7
30°-40°	63.6	4.5
40°-50°	21.8	1.5
50°-60°	5.3	0.4
60°-70°	1.4	0.1
70°-80°	0.1	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°	1326.4	93.5
0°-40°	1390.0	98.0
0°-60°	1417.2	99.9
0°-90°	1418.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1418.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4562	4562	4562	4562	4562	
5°	4414	4410	4409	4418	4414	401
15°	2419	2390	2406	2398	2394	648
25°	568	590	641	575	557	272
35°	95	97	91	91	77	65
45°	25	31	31	31	25	18
55°	4	4	8	4	4	4
65°	1	1	1	1	1	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4561.8	4561.8	4561.8	4561.8	4561.8
2.5°	4531.6	4528.5	4530.2	4532.5	4533.4
5°	4414.0	4409.8	4408.9	4418.0	4414.2
7.5°	4176.8	4170.8	4161.6	4182.4	4201.9
10°	3779.5	3772.8	3752.8	3762.7	3778.6
12.5°	3192.9	3171.2	3170.7	3202.1	3197.8
15°	2418.7	2389.5	2405.7	2397.8	2393.6
17.5°	1626.5	1615.3	1636.8	1630.3	1602.3
20°	1170.0	1172.9	1213.9	1193.3	1168.5
22.5°	853.8	864.3	912.9	859.8	840.3
25°	568.4	589.9	641.0	574.9	556.8
27.5°	349.6	359.5	411.2	345.1	335.3
30°	217.5	212.5	237.0	203.4	189.5
32.5°	142.7	136.4	144.2	129.5	118.3
35°	95.4	97.4	91.4	90.7	76.6
37.5°	59.6	68.5	60.5	64.5	49.3
40°	38.5	49.7	42.8	47.3	36.3
42.5°	31.6	38.3	35.2	37.4	32.3
45°	25.1	31.1	31.1	31.1	25.3
47.5°	13.9	20.8	26.7	21.3	14.8
50°	7.8	10.5	20.6	11.0	8.3
52.5°	5.4	6.0	14.1	6.3	5.6
55°	4.0	4.3	7.6	4.5	4.3
57.5°	3.1	3.4	4.0	3.4	3.1
60°	2.5	2.5	2.9	2.7	2.5
62.5°	1.8	1.8	2.0	1.8	1.8
65°	1.3	1.3	1.3	1.3	1.3
67.5°	0.7	0.9	0.9	0.9	0.9
70°	0.7	0.4	0.4	0.4	0.7
72.5°	0.4	0.2	0.2	0.2	0.2
75°	0.0	0.0	0.2	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

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Scaled Data Report





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

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