

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: P788351

Luminaire Tested: LER6D08D010-EC6DR300210IC9040-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P788351
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-EC6DR300210IC9040-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF 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: 1157.3 lumens
Efficiency: N/A
Efficacy: 130.0 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

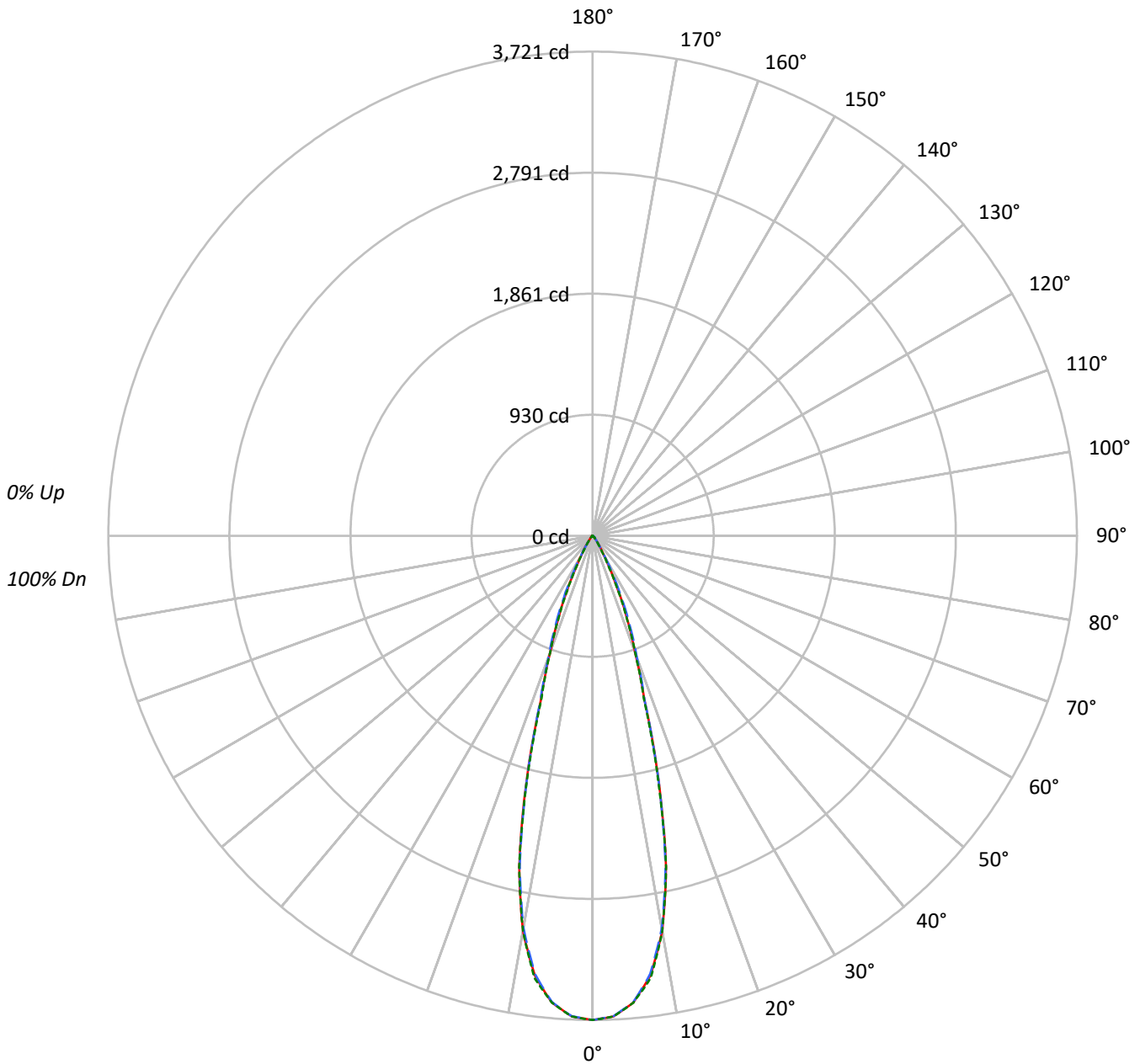
Input Watts (W): 8.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	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°	284849	284849	284849
5°	276670	276348	276678
10°	239639	237945	239577
15°	156348	155508	154731
20°	77750	80666	77644
25°	39162	44162	38360
30°	15679	17085	13664
35°	7270	6961	5840
40°	3137	3487	2958
45°	2219	2750	2230
50°	762	2001	810
55°	440	827	467
60°	306	367	306
65°	199	199	199
70°	112	90	112
75°	0	59	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 2750 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	327.2	28.3
10°-20°	527.0	45.5
20°-30°	227.7	19.7
30°-40°	51.9	4.5
40°-50°	17.8	1.5
50°-60°	4.4	0.4
60°-70°	1.1	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°	1082.0	93.5
0°-40°	1133.9	98.0
0°-60°	1156.1	99.9
0°-90°	1157.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1157.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3721	3721	3721	3721	3721	
5°	3601	3597	3597	3604	3601	328
15°	1973	1949	1962	1956	1953	528
25°	464	481	523	469	454	222
35°	78	80	74	74	62	53
45°	20	25	25	25	21	15
55°	3	4	6	4	4	3
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°	3721.4	3721.4	3721.4	3721.4	3721.4
2.5°	3696.7	3694.1	3695.6	3697.4	3698.1
5°	3600.8	3597.3	3596.6	3604.1	3600.9
7.5°	3407.3	3402.3	3394.9	3411.8	3427.7
10°	3083.2	3077.7	3061.4	3069.5	3082.4
12.5°	2604.7	2586.9	2586.6	2612.1	2608.7
15°	1973.0	1949.3	1962.4	1956.0	1952.6
17.5°	1326.8	1317.7	1335.2	1329.9	1307.1
20°	954.5	956.8	990.3	973.5	953.2
22.5°	696.5	705.1	744.7	701.4	685.5
25°	463.7	481.2	522.9	469.0	454.2
27.5°	285.2	293.2	335.4	281.5	273.5
30°	177.4	173.4	193.3	165.9	154.6
32.5°	116.4	111.3	117.7	105.6	96.5
35°	77.8	79.5	74.5	74.0	62.5
37.5°	48.6	55.9	49.3	52.6	40.2
40°	31.4	40.6	34.9	38.6	29.6
42.5°	25.8	31.2	28.7	30.5	26.3
45°	20.5	25.4	25.4	25.4	20.6
47.5°	11.3	17.0	21.7	17.4	12.1
50°	6.4	8.6	16.8	9.0	6.8
52.5°	4.4	4.9	11.5	5.1	4.6
55°	3.3	3.5	6.2	3.7	3.5
57.5°	2.6	2.7	3.3	2.7	2.6
60°	2.0	2.0	2.4	2.2	2.0
62.5°	1.5	1.5	1.6	1.5	1.5
65°	1.1	1.1	1.1	1.1	1.1
67.5°	0.5	0.7	0.7	0.7	0.7
70°	0.5	0.4	0.4	0.4	0.5
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

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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