

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: P788352

Luminaire Tested: LER6D08D010-EC6DR300210IC9040-6LBDP1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P788352
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-EC6DR300210IC9040-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1437.5 lumens
Efficiency: N/A
Efficacy: 161.5 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

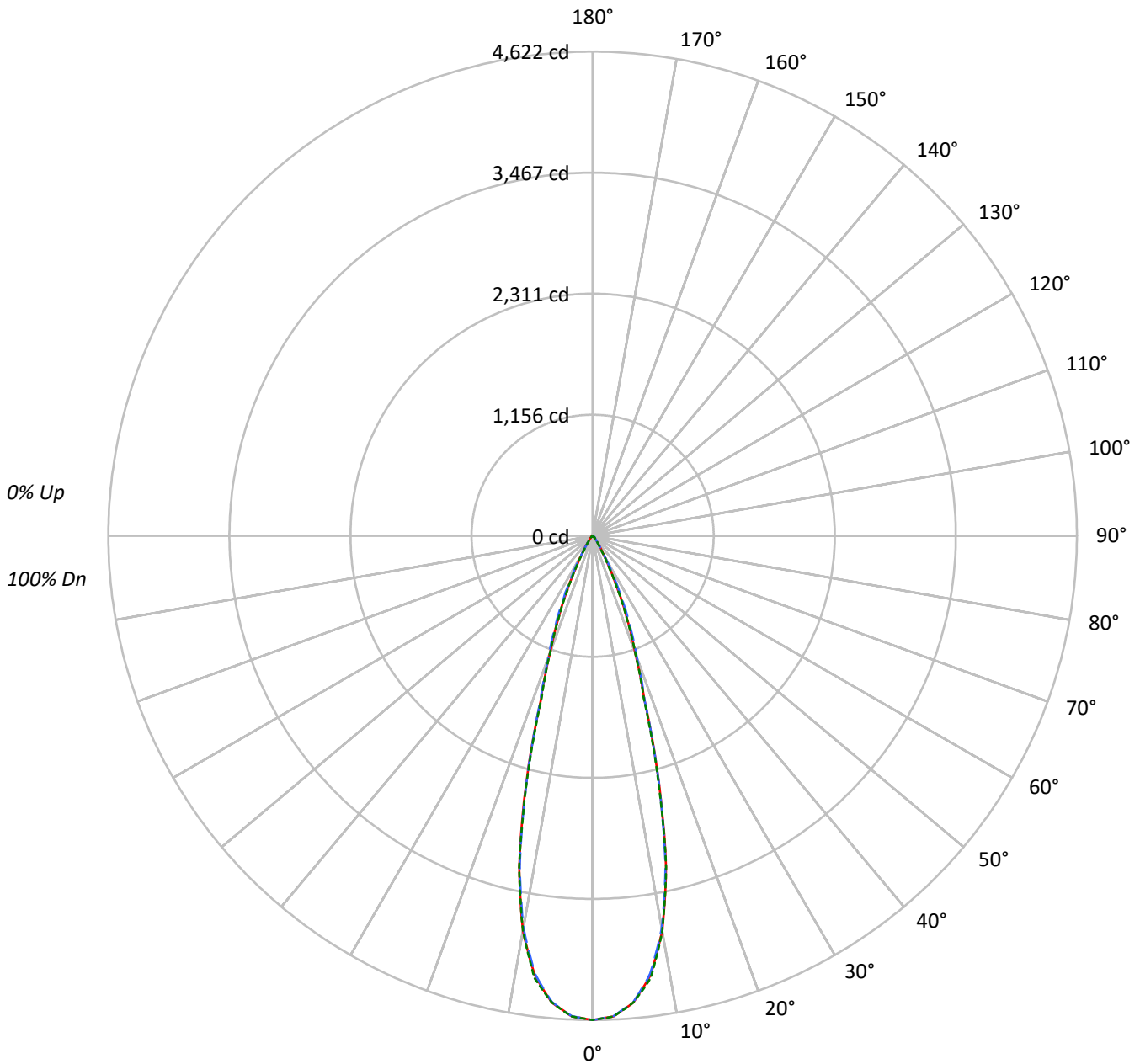


Downlight

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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°	353807	353807	353807
5°	343648	343248	343663
10°	297653	295554	297583
15°	194202	193156	192189
20°	96566	100191	96435
25°	48647	54854	47650
30°	19480	21221	16970
35°	9036	8653	7251
40°	3897	4327	3677
45°	2750	3410	2771
50°	941	2489	1000
55°	547	1028	574
60°	383	459	383
65°	254	254	254
70°	157	112	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: 3410 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	406.5	28.3
10°-20°	654.6	45.5
20°-30°	282.9	19.7
30°-40°	64.5	4.5
40°-50°	22.1	1.5
50°-60°	5.4	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°	1343.9	93.5
0°-40°	1408.4	98.0
0°-60°	1436.0	99.9
0°-90°	1437.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1437.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4622	4622	4622	4622	4622	
5°	4472	4468	4467	4477	4473	407
15°	2451	2421	2438	2430	2425	656
25°	576	598	650	582	564	276
35°	97	99	93	92	78	66
45°	25	32	32	32	26	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°	4622.3	4622.3	4622.3	4622.3	4622.3
2.5°	4591.6	4588.4	4590.3	4592.5	4593.4
5°	4472.5	4468.2	4467.3	4476.6	4472.7
7.5°	4232.2	4226.0	4216.7	4237.8	4257.6
10°	3829.6	3822.8	3802.6	3812.5	3828.7
12.5°	3235.2	3213.2	3212.8	3244.5	3240.2
15°	2450.7	2421.2	2437.5	2429.6	2425.3
17.5°	1648.0	1636.7	1658.5	1651.9	1623.5
20°	1185.5	1188.5	1230.0	1209.1	1183.9
22.5°	865.1	875.8	925.0	871.2	851.5
25°	576.0	597.8	649.5	582.5	564.2
27.5°	354.2	364.2	416.7	349.7	339.7
30°	220.4	215.4	240.1	206.1	192.0
32.5°	144.6	138.2	146.1	131.2	119.8
35°	96.7	98.7	92.6	91.9	77.6
37.5°	60.4	69.4	61.3	65.4	49.9
40°	39.0	50.4	43.3	47.9	36.8
42.5°	32.0	38.8	35.6	37.9	32.7
45°	25.4	31.5	31.5	31.5	25.6
47.5°	14.1	21.1	27.0	21.6	15.0
50°	7.9	10.7	20.9	11.1	8.4
52.5°	5.4	6.1	14.3	6.4	5.7
55°	4.1	4.3	7.7	4.5	4.3
57.5°	3.2	3.4	4.1	3.4	3.2
60°	2.5	2.5	3.0	2.7	2.5
62.5°	1.8	1.8	2.0	1.8	1.8
65°	1.4	1.4	1.4	1.4	1.4
67.5°	0.7	0.9	0.9	0.9	0.9
70°	0.7	0.5	0.5	0.5	0.7
72.5°	0.5	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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