

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: P787719

Luminaire Tested: LER6D05D010-EC6DR300210IC9035-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P787719
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: LER6D05D010-EC6DR300210IC9035-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 957.3 lumens
Efficiency: N/A
Efficacy: 127.6 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): 7.5
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

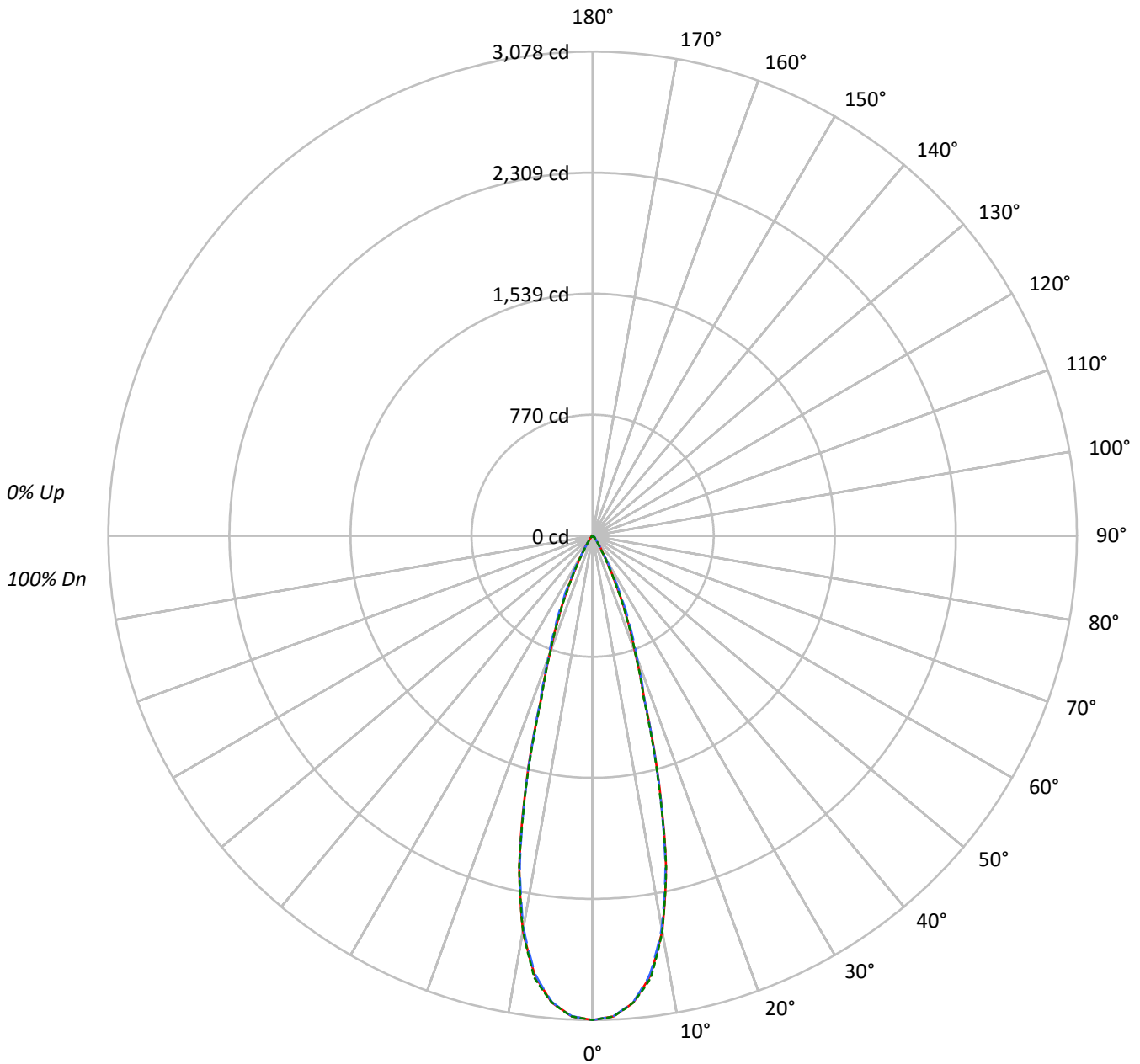


Downlight

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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°	235601	235601	235601
5°	228840	228571	228855
10°	198212	196813	198166
15°	129325	128628	127978
20°	64309	66720	64220
25°	32389	36527	31730
30°	12966	14133	11296
35°	6018	5765	4831
40°	2598	2888	2448
45°	1829	2273	1851
50°	631	1655	667
55°	360	681	387
60°	260	306	260
65°	163	163	163
70°	112	67	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: 2273 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	270.7	28.3
10°-20°	435.9	45.5
20°-30°	188.4	19.7
30°-40°	42.9	4.5
40°-50°	14.7	1.5
50°-60°	3.6	0.4
60°-70°	0.9	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°	894.9	93.5
0°-40°	937.9	98.0
0°-60°	956.2	99.9
0°-90°	957.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	957.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3078	3078	3078	3078	3078	
5°	2978	2975	2975	2981	2978	271
15°	1632	1612	1623	1618	1615	437
25°	384	398	432	388	376	184
35°	64	66	62	61	52	44
45°	17	21	21	21	17	12
55°	3	3	5	3	3	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°	3078.0	3078.0	3078.0	3078.0	3078.0
2.5°	3057.6	3055.5	3056.7	3058.2	3058.8
5°	2978.3	2975.4	2974.8	2981.0	2978.5
7.5°	2818.3	2814.2	2808.0	2822.0	2835.2
10°	2550.2	2545.6	2532.2	2538.8	2549.6
12.5°	2154.4	2139.7	2139.4	2160.6	2157.7
15°	1632.0	1612.3	1623.2	1617.9	1615.0
17.5°	1097.4	1089.9	1104.4	1100.0	1081.1
20°	789.5	791.4	819.1	805.2	788.4
22.5°	576.1	583.2	616.0	580.2	567.0
25°	383.5	398.1	432.5	387.9	375.7
27.5°	235.9	242.5	277.5	232.9	226.2
30°	146.7	143.4	159.9	137.2	127.8
32.5°	96.3	92.0	97.3	87.3	79.8
35°	64.4	65.7	61.7	61.2	51.7
37.5°	40.2	46.2	40.8	43.5	33.2
40°	26.0	33.5	28.9	31.9	24.5
42.5°	21.3	25.8	23.7	25.2	21.8
45°	16.9	21.0	21.0	21.0	17.1
47.5°	9.4	14.1	18.0	14.4	10.0
50°	5.3	7.1	13.9	7.4	5.6
52.5°	3.6	4.1	9.5	4.2	3.8
55°	2.7	2.9	5.1	3.0	2.9
57.5°	2.1	2.3	2.7	2.3	2.1
60°	1.7	1.7	2.0	1.8	1.7
62.5°	1.2	1.2	1.4	1.2	1.2
65°	0.9	0.9	0.9	0.9	0.9
67.5°	0.5	0.6	0.6	0.6	0.6
70°	0.5	0.3	0.3	0.3	0.5
72.5°	0.3	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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(END OF REPORT)