

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: P766390

Luminaire Tested: LD6D45BD010-EU6DR3040509027-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P766390
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: LD6D45BD010-EU6DR3040509027-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4892.8 lumens
Efficiency: N/A
Efficacy: 126.4 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

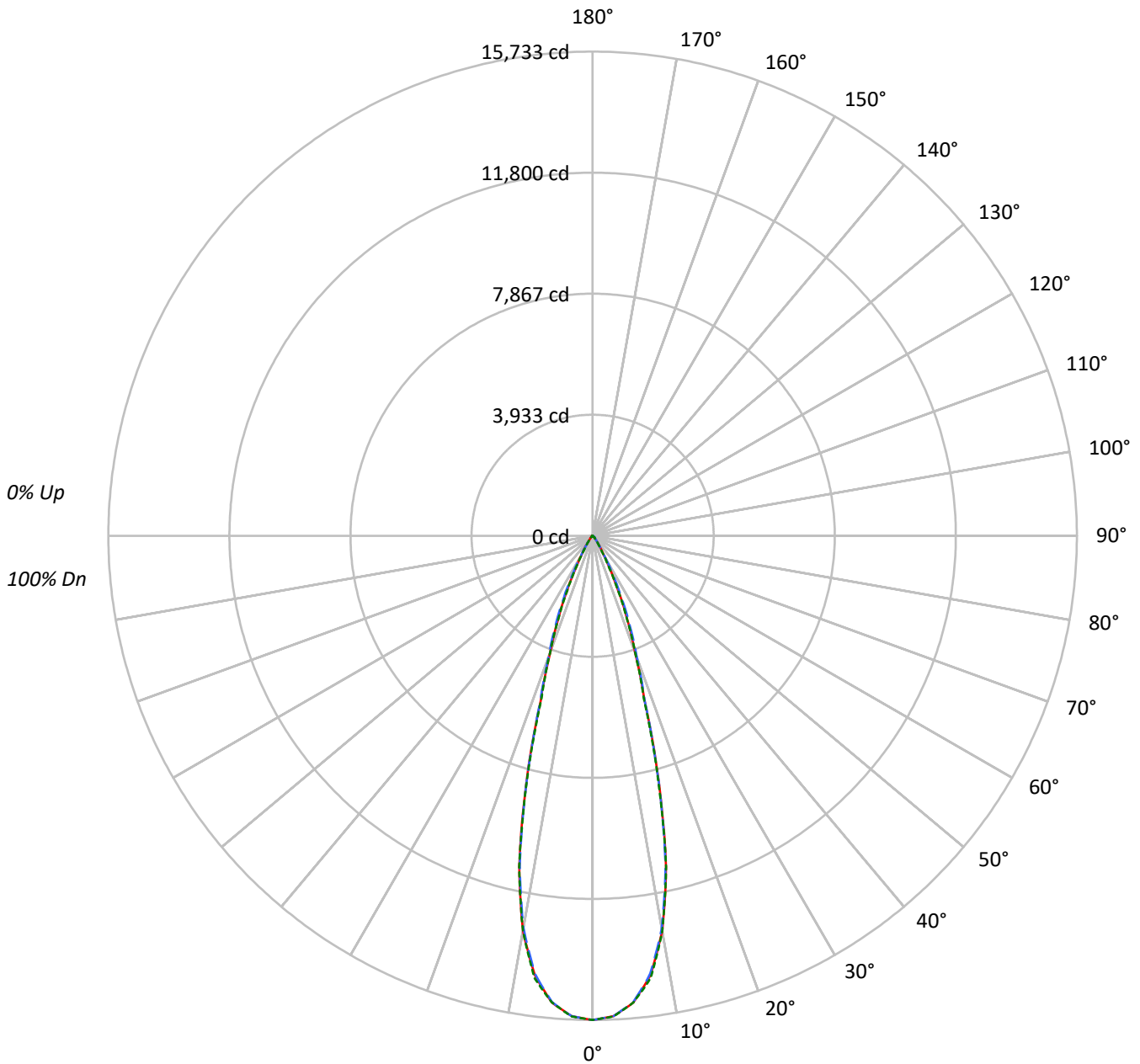
Input Watts (W): 38.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	1204242	1204242	1204242
5°	1169671	1168303	1169733
10°	1013112	1005969	1012871
15°	661002	657452	654148
20°	328690	341023	328251
25°	165568	186708	162181
30°	66289	72228	57759
35°	30752	29453	24687
40°	13279	14738	12500
45°	9364	11626	9450
50°	3215	8467	3406
55°	1855	3510	1962
60°	1301	1531	1301
65°	833	833	833
70°	515	336	515
75°	0	237	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 11626 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1383.5	28.3
10°-20°	2228.1	45.5
20°-30°	962.8	19.7
30°-40°	219.4	4.5
40°-50°	75.4	1.5
50°-60°	18.4	0.4
60°-70°	4.8	0.1
70°-80°	0.5	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°	4574.4	93.5
0°-40°	4793.8	98.0
0°-60°	4887.6	99.9
0°-90°	4892.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4892.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	15733	15733	15733	15733	15733	
5°	15223	15208	15205	15237	15224	1385
15°	8341	8241	8297	8270	8255	2234
25°	1960	2035	2211	1983	1920	938
35°	329	336	315	313	264	223
45°	86	107	107	107	87	61
55°	14	15	26	15	15	14
65°	5	5	5	5	5	5
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	15732.8	15732.8	15732.8	15732.8	15732.8
2.5°	15628.5	15617.7	15623.9	15631.6	15634.7
5°	15223.0	15208.3	15205.2	15236.9	15223.8
7.5°	14405.0	14384.2	14352.5	14424.3	14491.5
10°	13034.7	13011.5	12942.8	12976.8	13031.6
12.5°	11011.7	10936.8	10935.3	11043.4	11028.7
15°	8341.4	8241.0	8296.6	8269.6	8254.9
17.5°	5609.4	5570.7	5644.9	5622.5	5525.9
20°	4035.2	4045.2	4186.6	4115.5	4029.8
22.5°	2944.5	2980.8	3148.4	2965.4	2898.1
25°	1960.4	2034.6	2210.7	1982.8	1920.3
27.5°	1205.8	1239.7	1418.2	1190.3	1156.3
30°	750.0	733.0	817.2	701.4	653.5
32.5°	492.0	470.4	497.4	446.5	407.8
35°	329.1	336.0	315.2	312.8	264.2
37.5°	205.5	236.4	208.6	222.5	169.9
40°	132.9	171.5	147.5	163.0	125.1
42.5°	108.9	132.1	121.3	129.0	111.2
45°	86.5	107.4	107.4	107.4	87.3
47.5°	47.9	71.8	91.9	73.4	51.0
50°	27.0	36.3	71.1	37.8	28.6
52.5°	18.5	20.9	48.7	21.6	19.3
55°	13.9	14.7	26.3	15.4	14.7
57.5°	10.8	11.6	13.9	11.6	10.8
60°	8.5	8.5	10.0	9.3	8.5
62.5°	6.2	6.2	7.0	6.2	6.2
65°	4.6	4.6	4.6	4.6	4.6
67.5°	2.3	3.1	3.1	3.1	3.1
70°	2.3	1.5	1.5	1.5	2.3
72.5°	1.5	0.8	0.8	0.8	0.8
75°	0.0	0.0	0.8	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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