

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: P771066

Luminaire Tested: LD6D75BD010-EU6DR3070959027-6LBDP1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P771066
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: LD6D75BD010-EU6DR3070959027-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF 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: 8086.7 lumens
Efficiency: N/A
Efficacy: 111.7 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): 72.4
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

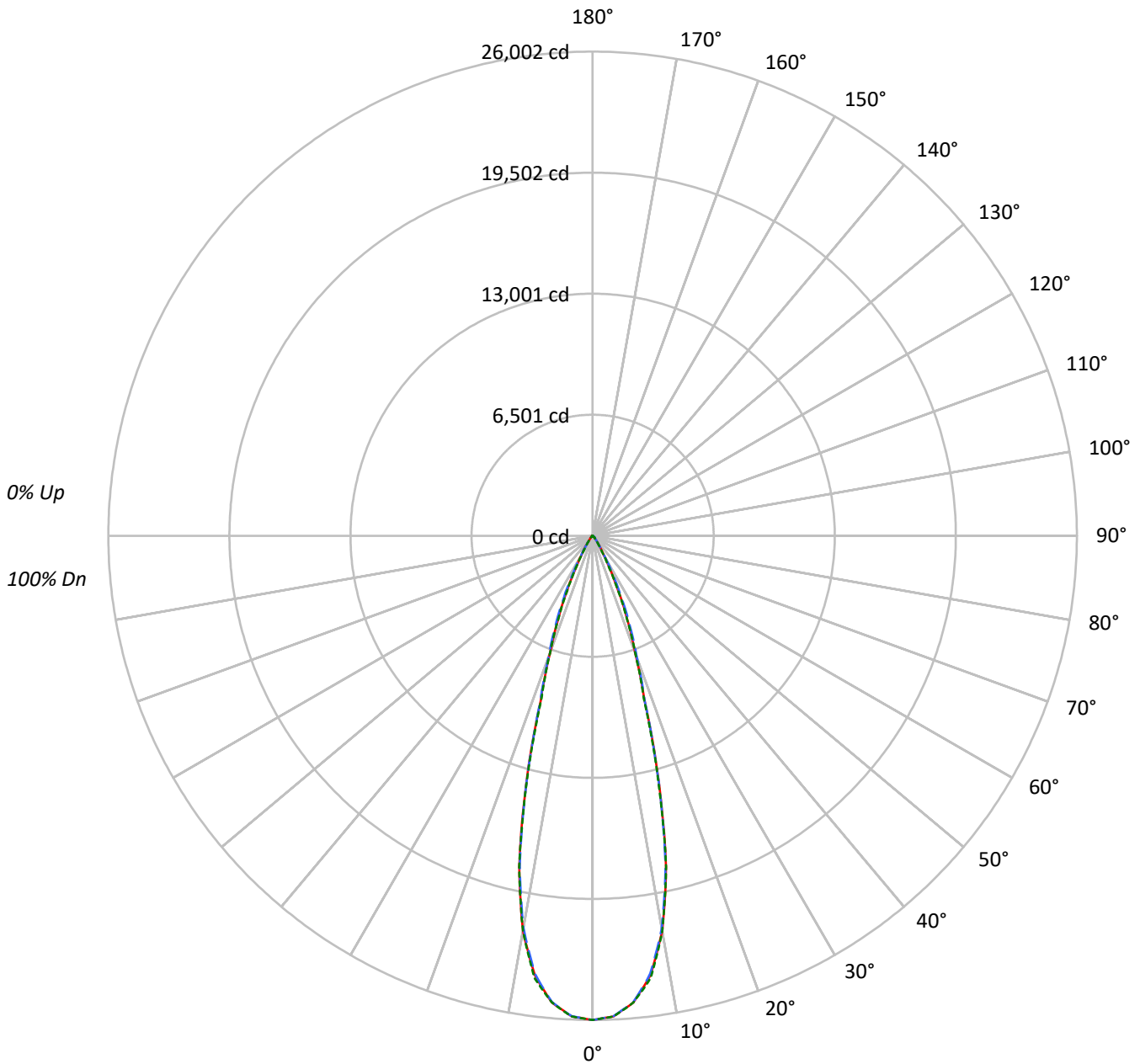


Downlight

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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						100													
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96						96													
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92						92													
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89						89													
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85						85													
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82						82													
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79						79													
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77						77													
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74						74													
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72						72													
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69						69													

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1990320	1990320	1990320
5°	1933181	1930929	1933280
10°	1674428	1662622	1674032
15°	1092483	1086611	1081152
20°	543237	563625	542512
25°	273647	308578	268039
30°	109562	119381	95455
35°	50814	48674	40797
40°	21942	24361	20664
45°	15480	19214	15620
50°	5323	13992	5621
55°	3069	5792	3243
60°	2143	2541	2143
65°	1395	1395	1395
70°	850	582	850
75°	0	384	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 19214 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2286.5	28.3
10°-20°	3682.5	45.5
20°-30°	1591.3	19.7
30°-40°	362.7	4.5
40°-50°	124.5	1.5
50°-60°	30.4	0.4
60°-70°	7.9	0.1
70°-80°	0.8	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°	7560.3	93.5
0°-40°	7923.0	98.0
0°-60°	8077.9	99.9
0°-90°	8086.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8086.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	26002	26002	26002	26002	26002	
5°	25160	25136	25131	25183	25161	2288
15°	13786	13620	13712	13668	13643	3691
25°	3240	3363	3654	3277	3174	1551
35°	544	555	521	517	437	369
45°	143	178	178	178	144	101
55°	23	24	43	26	24	22
65°	8	8	8	8	8	8
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°	26002.5	26002.5	26002.5	26002.5	26002.5
2.5°	25830.2	25812.3	25822.5	25835.3	25840.4
5°	25159.9	25135.7	25130.6	25182.9	25161.2
7.5°	23808.0	23773.5	23721.2	23839.9	23950.9
10°	21543.2	21504.9	21391.3	21447.5	21538.1
12.5°	18199.7	18075.9	18073.3	18252.1	18227.8
15°	13786.4	13620.4	13712.3	13667.7	13643.4
17.5°	9270.9	9207.1	9329.6	9292.6	9133.0
20°	6669.1	6685.7	6919.4	6801.9	6660.2
22.5°	4866.5	4926.5	5203.6	4901.0	4789.9
25°	3240.1	3362.7	3653.7	3277.1	3173.7
27.5°	1992.8	2049.0	2343.9	1967.3	1911.1
30°	1239.6	1211.5	1350.7	1159.2	1080.0
32.5°	813.2	777.5	822.2	737.9	674.1
35°	543.8	555.3	520.9	517.0	436.6
37.5°	339.6	390.7	344.7	367.7	280.9
40°	219.6	283.4	243.8	269.4	206.8
42.5°	180.0	218.3	200.4	213.2	183.8
45°	143.0	177.5	177.5	177.5	144.3
47.5°	79.2	118.7	151.9	121.3	84.3
50°	44.7	60.0	117.5	62.6	47.2
52.5°	30.6	34.5	80.4	35.7	31.9
55°	23.0	24.3	43.4	25.5	24.3
57.5°	17.9	19.1	23.0	19.1	17.9
60°	14.0	14.0	16.6	15.3	14.0
62.5°	10.2	10.2	11.5	10.2	10.2
65°	7.7	7.7	7.7	7.7	7.7
67.5°	3.8	5.1	5.1	5.1	5.1
70°	3.8	2.6	2.6	2.6	3.8
72.5°	2.6	1.3	1.3	1.3	1.3
75°	0.0	0.0	1.3	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)