

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: P770291

Luminaire Tested: LD6D70BD010-EU6DR3070959027-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P770291
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: LD6D70BD010-EU6DR3070959027-6LBS1LI
Description: 6 INCH ROUND SHALLOW 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: 8456.4 lumens
Efficiency: N/A
Efficacy: 127.0 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): 66.6
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

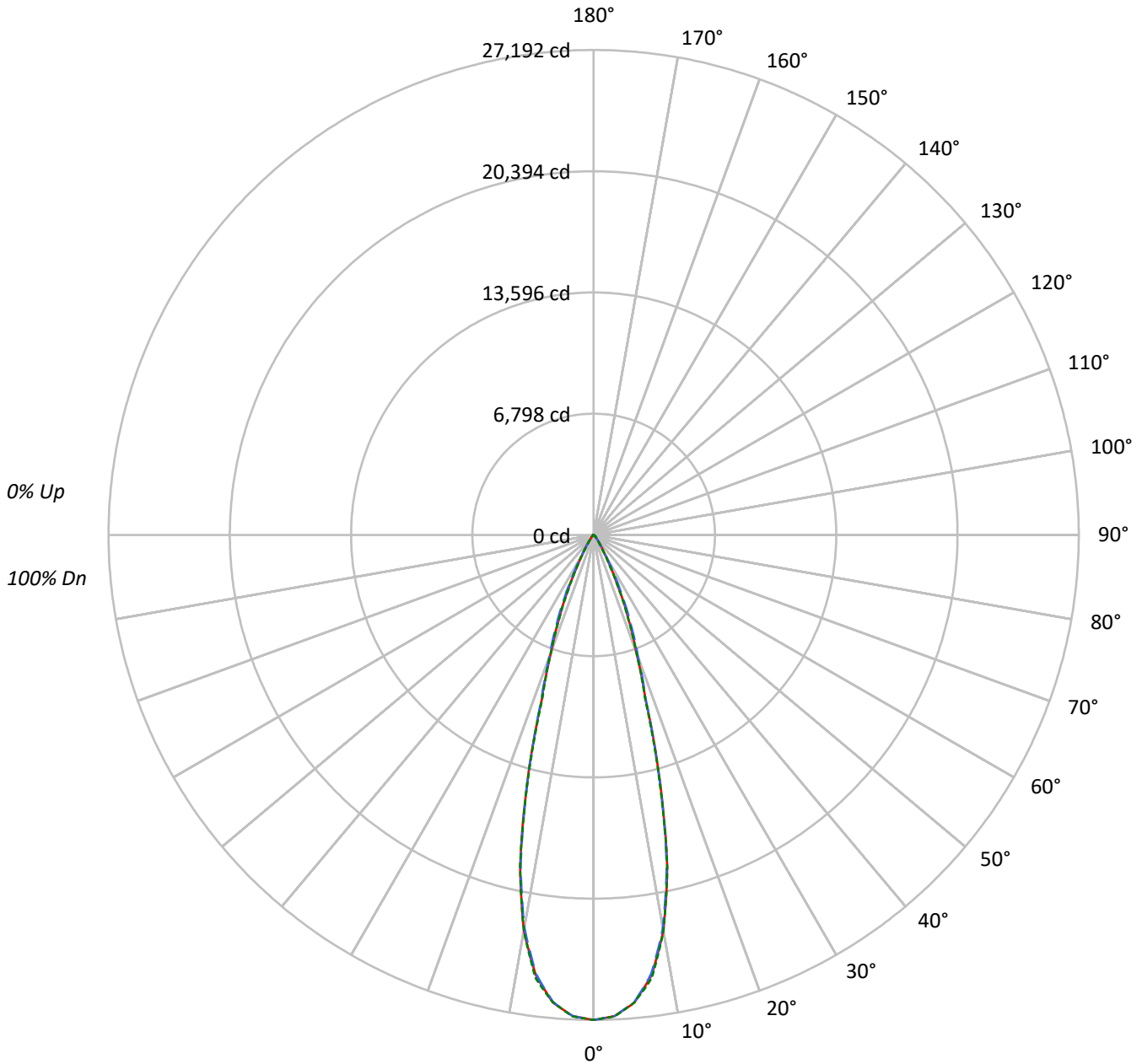


Downlight

TEST NUMBER: P770291

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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°	2081337	2081337	2081337
5°	2021580	2019221	2021688
10°	1751002	1738652	1750582
15°	1142438	1136305	1130592
20°	568081	589398	567323
25°	286163	322691	280294
30°	114573	124835	99822
35°	53141	50898	42666
40°	22942	25480	21613
45°	16183	20091	16335
50°	5561	14623	5883
55°	3203	6059	3390
60°	2250	2664	2250
65°	1449	1449	1449
70°	895	604	895
75°	0	384	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 20091 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2391.1	28.3
10°-20°	3850.9	45.5
20°-30°	1664.1	19.7
30°-40°	379.3	4.5
40°-50°	130.2	1.5
50°-60°	31.8	0.4
60°-70°	8.2	0.1
70°-80°	0.9	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°	7906.0	93.5
0°-40°	8285.3	98.0
0°-60°	8447.3	99.9
0°-90°	8456.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8456.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	27192	27192	27192	27192	27192	
5°	26310	26285	26280	26334	26312	2393
15°	14417	14243	14339	14293	14267	3860
25°	3388	3516	3821	3427	3319	1622
35°	569	581	545	541	457	386
45°	150	186	186	186	151	106
55°	24	25	45	27	25	23
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°	27191.6	27191.6	27191.6	27191.6	27191.6
2.5°	27011.3	26992.6	27003.3	27016.7	27022.0
5°	26310.4	26285.1	26279.7	26334.5	26311.8
7.5°	24896.7	24860.6	24805.9	24930.0	25046.2
10°	22528.4	22488.3	22369.5	22428.2	22523.0
12.5°	19032.0	18902.5	18899.8	19086.7	19061.3
15°	14416.8	14243.3	14339.4	14292.7	14267.3
17.5°	9694.9	9628.1	9756.3	9717.6	9550.7
20°	6974.1	6991.5	7235.8	7113.0	6964.8
22.5°	5089.1	5151.8	5441.5	5125.1	5009.0
25°	3388.3	3516.4	3820.8	3427.0	3318.8
27.5°	2084.0	2142.7	2451.1	2057.3	1998.5
30°	1296.3	1266.9	1412.4	1212.2	1129.4
32.5°	850.4	813.0	859.7	771.6	704.9
35°	568.7	580.7	544.7	540.7	456.6
37.5°	355.1	408.5	360.5	384.5	293.7
40°	229.6	296.4	255.0	281.7	216.3
42.5°	188.2	228.3	209.6	222.9	192.2
45°	149.5	185.6	185.6	185.6	150.9
47.5°	82.8	124.2	158.9	126.8	88.1
50°	46.7	62.7	122.8	65.4	49.4
52.5°	32.0	36.0	84.1	37.4	33.4
55°	24.0	25.4	45.4	26.7	25.4
57.5°	18.7	20.0	24.0	20.0	18.7
60°	14.7	14.7	17.4	16.0	14.7
62.5°	10.7	10.7	12.0	10.7	10.7
65°	8.0	8.0	8.0	8.0	8.0
67.5°	4.0	5.3	5.3	5.3	5.3
70°	4.0	2.7	2.7	2.7	4.0
72.5°	2.7	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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