

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: P770316

Luminaire Tested: LD6D70BD010-EU6DR3070959035-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P770316
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-EU6DR3070959035-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8384.5 lumens
Efficiency: N/A
Efficacy: 125.9 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

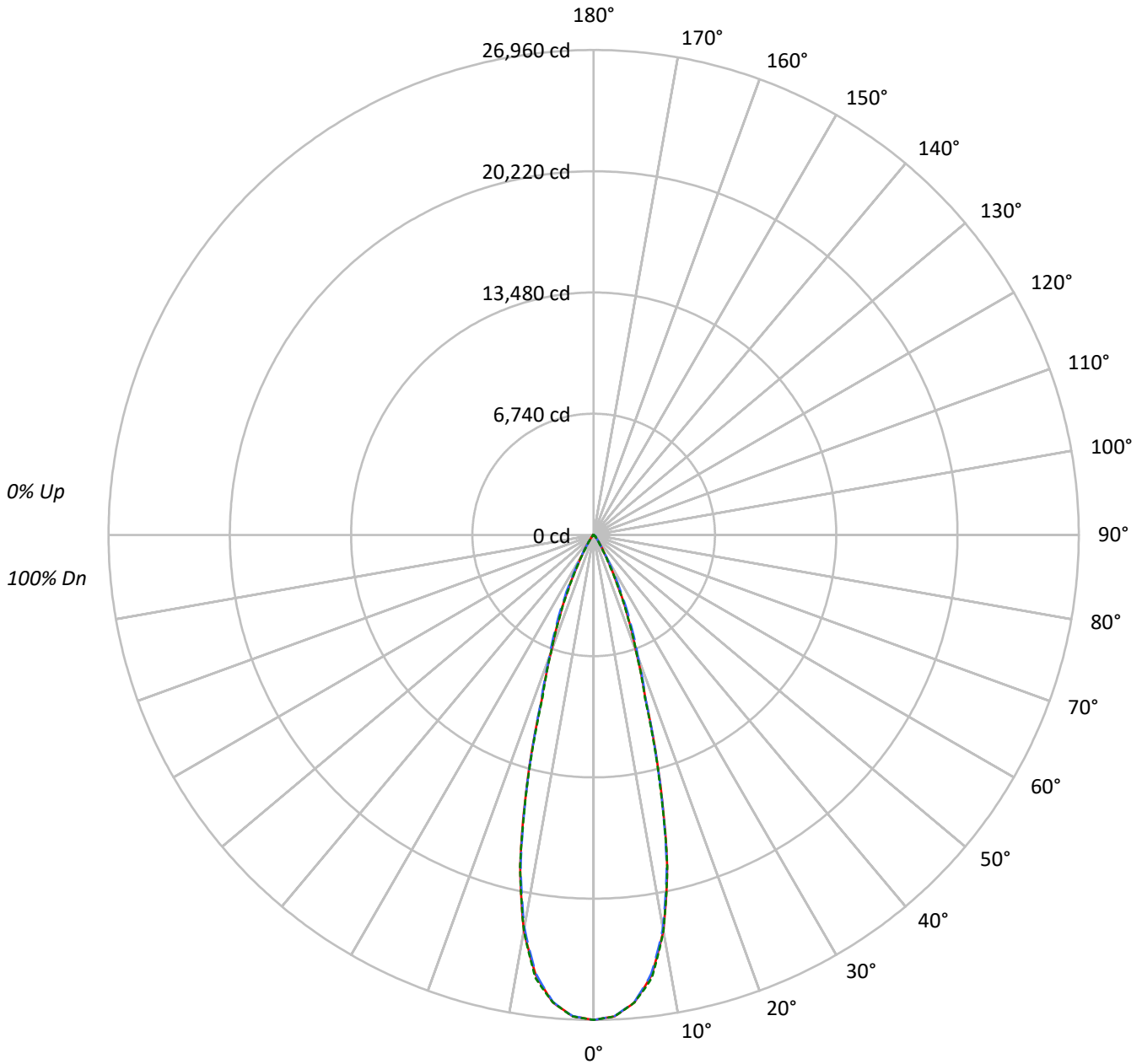
Input Watts (W): 66.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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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°	2063633	2063633	2063633
5°	2004392	2002056	2004492
10°	1736110	1723868	1735698
15°	1132723	1126637	1120979
20°	563250	584380	562493
25°	283731	319946	277912
30°	113601	123774	98973
35°	52692	50468	42301
40°	22752	25260	21423
45°	16053	19918	16194
50°	5513	14504	5835
55°	3176	6005	3350
60°	2235	2633	2235
65°	1431	1431	1431
70°	895	582	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: 19918 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2370.8	28.3
10°-20°	3818.1	45.5
20°-30°	1649.9	19.7
30°-40°	376.1	4.5
40°-50°	129.1	1.5
50°-60°	31.5	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°	7838.8	93.5
0°-40°	8214.8	98.0
0°-60°	8375.5	99.9
0°-90°	8384.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8384.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	26960	26960	26960	26960	26960	
5°	26087	26062	26056	26110	26088	2373
15°	14294	14122	14217	14171	14146	3827
25°	3360	3486	3788	3398	3291	1608
35°	564	576	540	536	453	382
45°	148	184	184	184	150	105
55°	24	25	45	26	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°	26960.3	26960.3	26960.3	26960.3	26960.3
2.5°	26781.6	26763.1	26773.7	26786.9	26792.2
5°	26086.7	26061.6	26056.3	26110.5	26088.0
7.5°	24685.0	24649.2	24595.0	24718.1	24833.2
10°	22336.8	22297.1	22179.3	22237.5	22331.5
12.5°	18870.1	18741.7	18739.1	18924.4	18899.2
15°	14294.2	14122.1	14217.4	14171.1	14146.0
17.5°	9612.4	9546.2	9673.3	9634.9	9469.5
20°	6914.8	6932.0	7174.2	7052.5	6905.5
22.5°	5045.8	5108.0	5395.2	5081.5	4966.4
25°	3359.5	3486.5	3788.3	3397.8	3290.6
27.5°	2066.2	2124.5	2430.2	2039.8	1981.5
30°	1285.3	1256.2	1400.4	1201.9	1119.8
32.5°	843.2	806.1	852.4	765.1	698.9
35°	563.9	575.8	540.1	536.1	452.7
37.5°	352.1	405.0	357.4	381.2	291.2
40°	227.7	293.9	252.8	279.3	214.4
42.5°	186.6	226.3	207.8	221.1	190.6
45°	148.3	184.0	184.0	184.0	149.6
47.5°	82.1	123.1	157.5	125.7	87.4
50°	46.3	62.2	121.8	64.9	49.0
52.5°	31.8	35.7	83.4	37.1	33.1
55°	23.8	25.1	45.0	26.5	25.1
57.5°	18.5	19.9	23.8	19.9	18.5
60°	14.6	14.6	17.2	15.9	14.6
62.5°	10.6	10.6	11.9	10.6	10.6
65°	7.9	7.9	7.9	7.9	7.9
67.5°	4.0	5.3	5.3	5.3	5.3
70°	4.0	2.6	2.6	2.6	4.0
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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