

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: P774219

Luminaire Tested: LD6D95BD010-EU6DR3070959035-6LBSQW1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774219
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: LD6D95BD010-EU6DR3070959035-6LBSQW1B
Description: 6 INCH SQAURE 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: 8378.3 lumens
Efficiency: N/A
Efficacy: 84.5 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

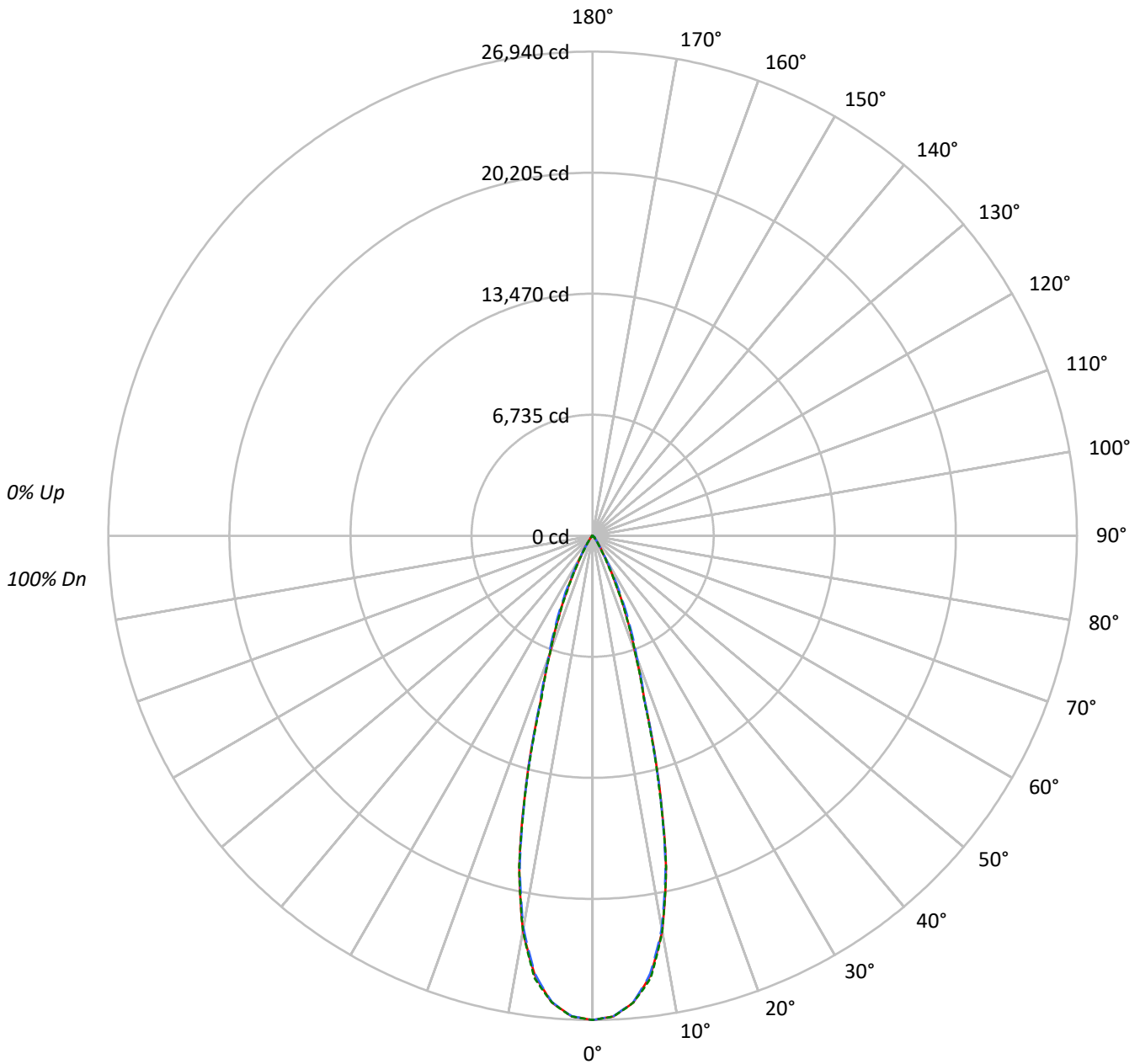
Input Watts (W): 99.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	2062117	2062117	2062117
5°	2002917	2000581	2003017
10°	1734827	1722594	1734416
15°	1131891	1125813	1120147
20°	562835	583956	562086
25°	283520	319709	277709
30°	113512	123686	98902
35°	52655	50431	42273
40°	22732	25240	21413
45°	16032	19907	16183
50°	5513	14492	5823
55°	3176	6005	3350
60°	2220	2633	2220
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: 19907 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2369.0	28.3
10°-20°	3815.3	45.5
20°-30°	1648.7	19.7
30°-40°	375.8	4.5
40°-50°	129.0	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°	7833.0	93.5
0°-40°	8208.8	98.0
0°-60°	8369.3	99.9
0°-90°	8378.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8378.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	26940	26940	26940	26940	26940	
5°	26068	26042	26037	26091	26069	2371
15°	14284	14112	14207	14161	14136	3825
25°	3357	3484	3786	3395	3288	1607
35°	564	575	540	536	452	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°	26940.5	26940.5	26940.5	26940.5	26940.5
2.5°	26761.9	26743.4	26754.0	26767.2	26772.5
5°	26067.5	26042.4	26037.1	26091.3	26068.8
7.5°	24666.8	24631.1	24576.8	24699.8	24814.9
10°	22320.3	22280.6	22162.9	22221.1	22315.0
12.5°	18856.2	18727.9	18725.3	18910.4	18885.3
15°	14283.7	14111.7	14207.0	14160.7	14135.5
17.5°	9605.3	9539.2	9666.2	9627.8	9462.5
20°	6909.7	6926.9	7169.0	7047.3	6900.5
22.5°	5042.1	5104.2	5391.3	5077.8	4962.7
25°	3357.0	3484.0	3785.5	3395.3	3288.2
27.5°	2064.7	2122.9	2428.5	2038.3	1980.1
30°	1284.3	1255.2	1399.4	1201.0	1119.0
32.5°	842.6	805.5	851.8	764.5	698.4
35°	563.5	575.4	539.7	535.7	452.4
37.5°	351.8	404.7	357.1	380.9	291.0
40°	227.5	293.6	252.6	279.1	214.3
42.5°	186.5	226.2	207.7	220.9	190.5
45°	148.1	183.9	183.9	183.9	149.5
47.5°	82.0	123.0	157.4	125.7	87.3
50°	46.3	62.2	121.7	64.8	48.9
52.5°	31.7	35.7	83.3	37.0	33.1
55°	23.8	25.1	45.0	26.5	25.1
57.5°	18.5	19.8	23.8	19.8	18.5
60°	14.5	14.5	17.2	15.9	14.5
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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