

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: P772660

Luminaire Tested: LD6D85BD010-EU6DR3070959035-6LBSQW1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P772660
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: LD6D85BD010-EU6DR3070959035-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

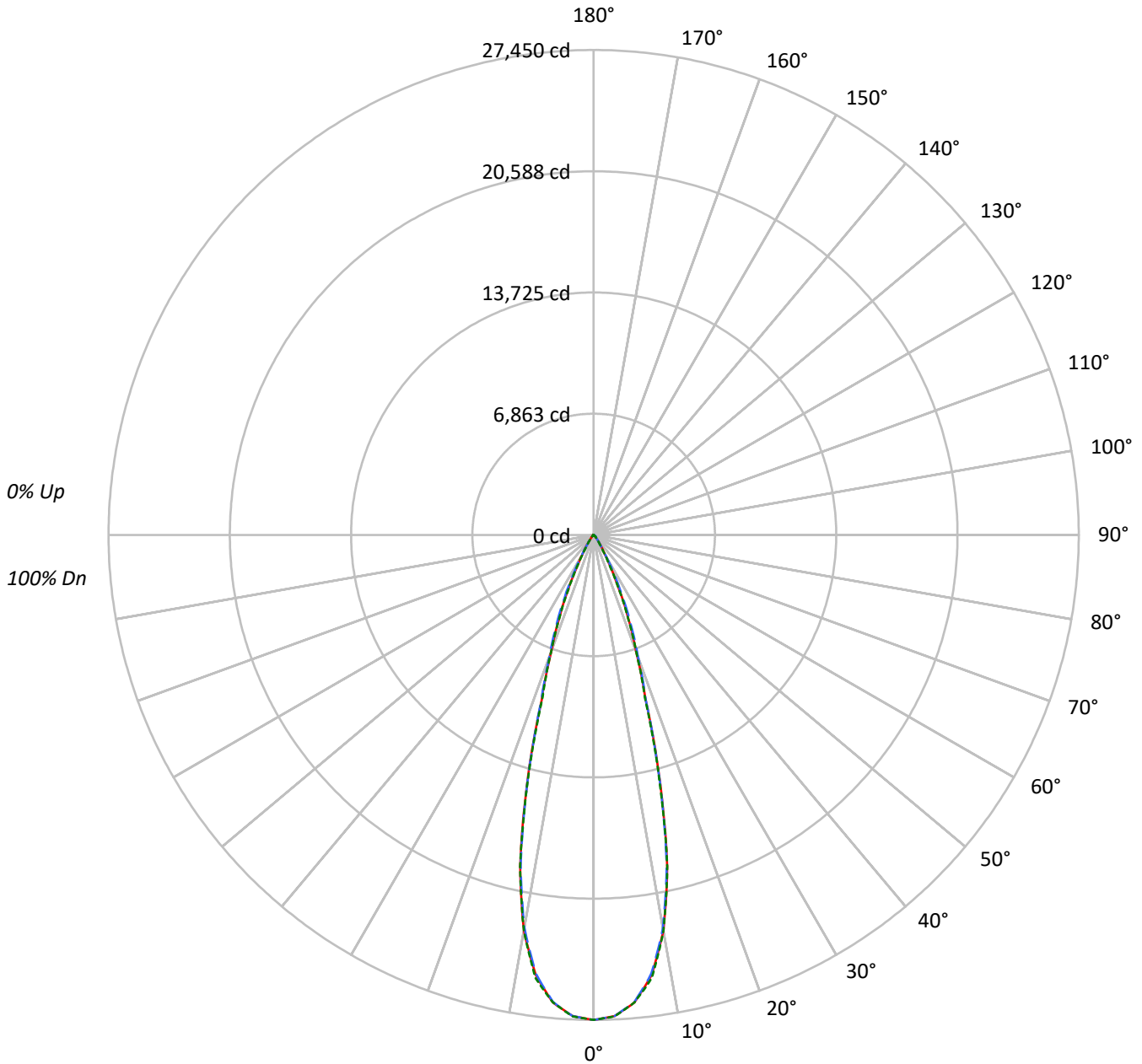
Lumens per Lamp: N/A
Luminaire Lumens: 8536.7 lumens
Efficiency: N/A
Efficacy: 97.3 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

Input Watts (W): 87.7
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	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°	2101093	2101093	2101093
5°	2040774	2038392	2040881
10°	1767619	1755152	1767200
15°	1153287	1147090	1141321
20°	573473	594994	572707
25°	288874	325756	282954
30°	115660	126028	100767
35°	53645	51384	43068
40°	23162	25719	21813
45°	16335	20275	16486
50°	5621	14766	5942
55°	3243	6112	3416
60°	2266	2679	2266
65°	1467	1467	1467
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: 20275 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2413.8	28.3
10°-20°	3887.4	45.5
20°-30°	1679.9	19.7
30°-40°	382.9	4.5
40°-50°	131.5	1.5
50°-60°	32.1	0.4
60°-70°	8.3	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°	7981.1	93.5
0°-40°	8363.9	98.0
0°-60°	8527.5	99.9
0°-90°	8536.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8536.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	27450	27450	27450	27450	27450	
5°	26560	26535	26529	26584	26562	2416
15°	14554	14378	14476	14428	14403	3897
25°	3420	3550	3857	3460	3350	1637
35°	574	586	550	546	461	389
45°	151	187	187	187	152	107
55°	24	26	46	27	26	24
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°	27449.7	27449.7	27449.7	27449.7	27449.7
2.5°	27267.7	27248.9	27259.7	27273.1	27278.5
5°	26560.2	26534.6	26529.2	26584.5	26561.6
7.5°	25133.0	25096.6	25041.4	25166.7	25283.9
10°	22742.2	22701.8	22581.8	22641.1	22736.8
12.5°	19212.6	19081.9	19079.2	19267.9	19242.3
15°	14553.7	14378.5	14475.5	14428.3	14402.7
17.5°	9786.9	9719.5	9848.9	9809.8	9641.3
20°	7040.3	7057.8	7304.5	7180.5	7030.9
22.5°	5137.4	5200.7	5493.2	5173.8	5056.5
25°	3420.4	3549.8	3857.1	3459.5	3350.3
27.5°	2103.7	2163.0	2474.4	2076.8	2017.5
30°	1308.6	1279.0	1425.9	1223.7	1140.1
32.5°	858.5	820.7	867.9	779.0	711.6
35°	574.1	586.2	549.9	545.8	460.9
37.5°	358.5	412.4	363.9	388.1	296.5
40°	231.8	299.2	257.4	284.4	218.3
42.5°	190.0	230.5	211.6	225.1	194.1
45°	150.9	187.3	187.3	187.3	152.3
47.5°	83.6	125.3	160.4	128.0	88.9
50°	47.2	63.3	124.0	66.0	49.9
52.5°	32.3	36.4	84.9	37.7	33.7
55°	24.3	25.6	45.8	27.0	25.6
57.5°	18.9	20.2	24.3	20.2	18.9
60°	14.8	14.8	17.5	16.2	14.8
62.5°	10.8	10.8	12.1	10.8	10.8
65°	8.1	8.1	8.1	8.1	8.1
67.5°	4.0	5.4	5.4	5.4	5.4
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

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



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Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270°

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