

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: P772676

Luminaire Tested: LD6D85BD010-EU6DR3070959050-6LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P772676
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-EU6DR3070959050-6LBCSSQMW
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9776.7 lumens
Efficiency: N/A
Efficacy: 111.5 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

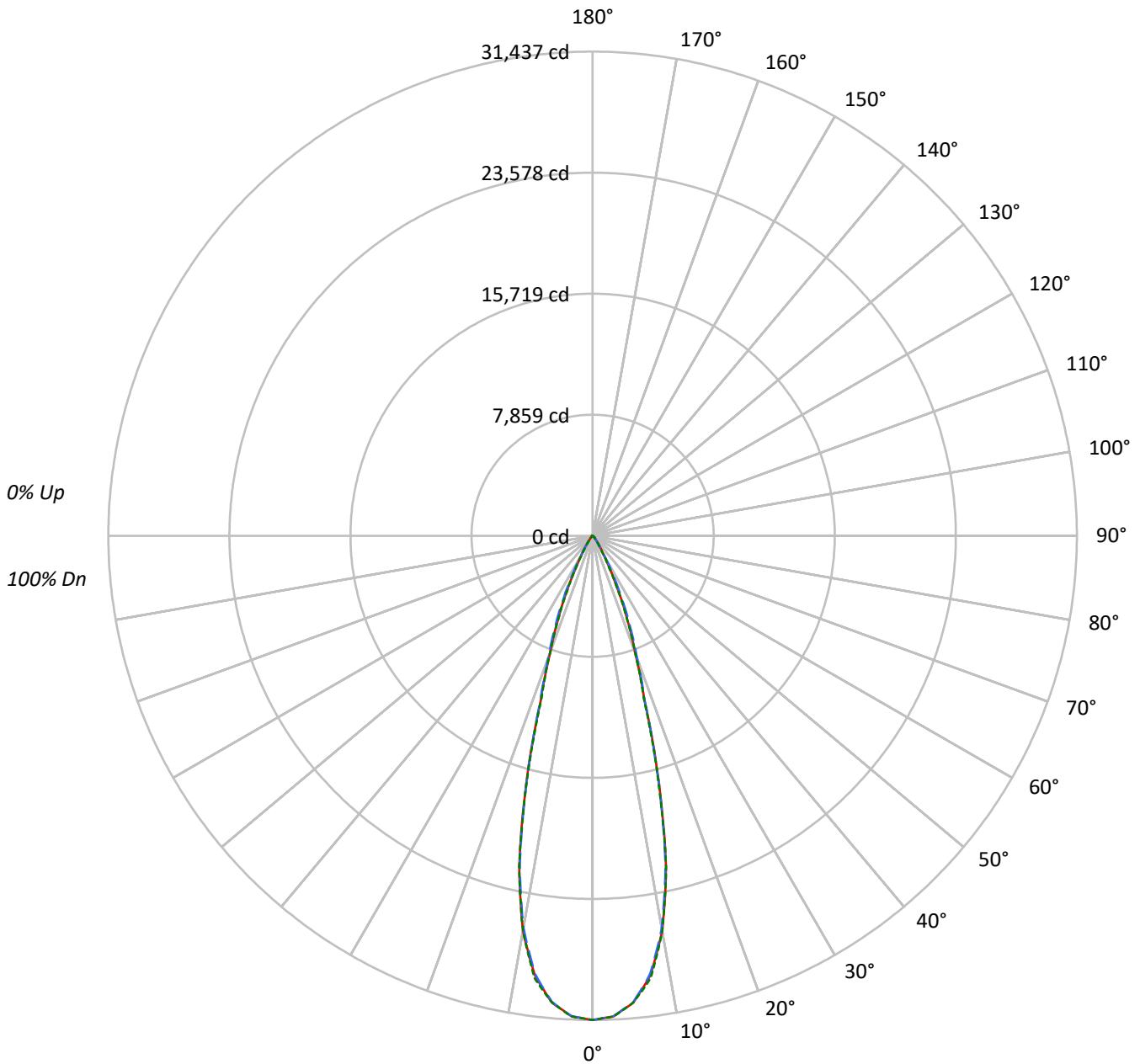
Input Watts (W): 87.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	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°	2406279	2406279	2406279
5°	2337198	2334471	2337314
10°	2024366	2010096	2023884
15°	1320800	1313708	1307099
20°	656770	681410	655890
25°	330832	373069	324059
30°	132462	144332	115404
35°	61438	58841	49328
40°	26529	29457	24980
45°	18716	23219	18879
50°	6430	16909	6799
55°	3710	7006	3910
60°	2602	3077	2602
65°	1684	1684	1684
70°	1029	694	1029
75°	0	444	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 23219 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2764.4	28.3
10°-20°	4452.1	45.5
20°-30°	1923.9	19.7
30°-40°	438.5	4.5
40°-50°	150.6	1.5
50°-60°	36.8	0.4
60°-70°	9.5	0.1
70°-80°	1.0	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°	9140.3	93.5
0°-40°	9578.8	98.0
0°-60°	9766.1	99.9
0°-90°	9776.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9776.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	31437	31437	31437	31437	31437	
5°	30418	30389	30383	30446	30420	2767
15°	16668	16467	16578	16524	16495	4463
25°	3917	4065	4417	3962	3837	1875
35°	658	671	630	625	528	446
45°	173	214	214	214	174	123
55°	28	29	52	31	29	27
65°	9	9	9	9	9	9
75°	0	0	2	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°	31436.8	31436.8	31436.8	31436.8	31436.8
2.5°	31228.4	31206.8	31219.1	31234.6	31240.7
5°	30418.1	30388.8	30382.6	30445.9	30419.6
7.5°	28783.6	28741.9	28678.6	28822.2	28956.4
10°	26045.5	25999.2	25861.9	25929.8	26039.3
12.5°	22003.3	21853.5	21850.5	22066.5	22037.2
15°	16667.6	16466.9	16578.1	16524.1	16494.7
17.5°	11208.4	11131.3	11279.4	11234.7	11041.8
20°	8062.9	8083.0	8365.4	8223.4	8052.1
22.5°	5883.6	5956.1	6291.1	5925.3	5791.0
25°	3917.2	4065.4	4417.3	3962.0	3837.0
27.5°	2409.3	2477.2	2833.8	2378.4	2310.5
30°	1498.7	1464.7	1633.0	1401.4	1305.7
32.5°	983.2	940.0	994.0	892.1	814.9
35°	657.5	671.4	629.7	625.1	527.9
37.5°	410.6	472.3	416.7	444.5	339.6
40°	265.5	342.6	294.8	325.7	250.0
42.5°	217.6	263.9	242.3	257.8	222.3
45°	172.9	214.5	214.5	214.5	174.4
47.5°	95.7	143.5	183.7	146.6	101.9
50°	54.0	72.5	142.0	75.6	57.1
52.5°	37.0	41.7	97.2	43.2	38.6
55°	27.8	29.3	52.5	30.9	29.3
57.5°	21.6	23.2	27.8	23.2	21.6
60°	17.0	17.0	20.1	18.5	17.0
62.5°	12.3	12.3	13.9	12.3	12.3
65°	9.3	9.3	9.3	9.3	9.3
67.5°	4.6	6.2	6.2	6.2	6.2
70°	4.6	3.1	3.1	3.1	4.6
72.5°	3.1	1.5	1.5	1.5	1.5
75°	0.0	0.0	1.5	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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