

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: P772624

Luminaire Tested: LD6D85BD010-EU6DR3070959027-6LBCSSQMW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P772624  
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-EU6DR3070959027-6LBCSSQMW  
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8907.9 lumens  
Efficiency: N/A  
Efficacy: 101.6 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

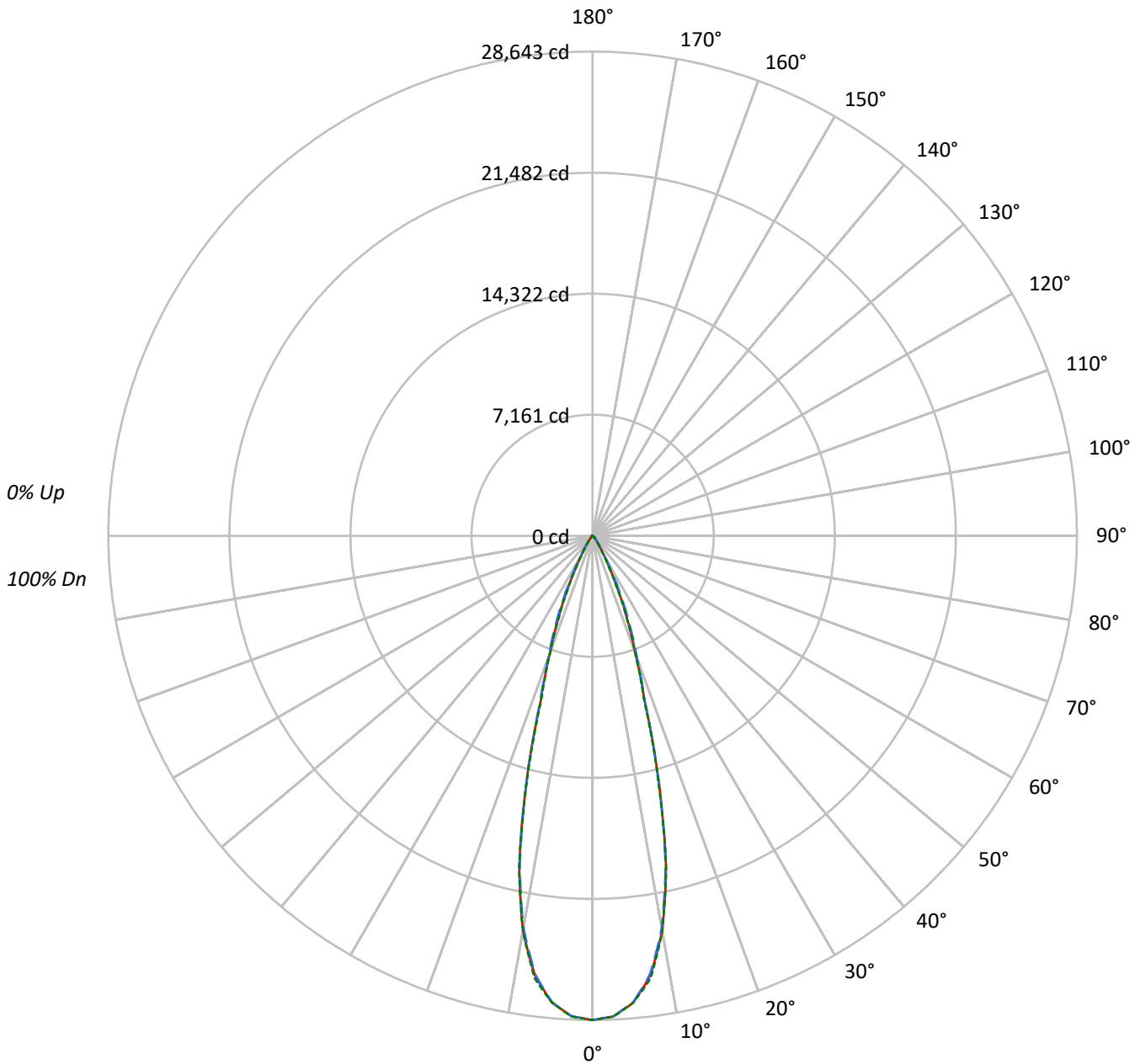
Input Watts (W): 87.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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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°	2192455	2192455	2192455
5°	2129511	2127030	2129619
10°	1844481	1831470	1844046
15°	1203432	1196966	1190951
20°	598407	620864	597608
25°	301441	339920	295259
30°	120689	131508	105151
35°	55981	53617	44946
40°	24171	26839	22762
45°	17049	21163	17201
50°	5859	15409	6192
55°	3376	6379	3563
60°	2373	2801	2373
65°	1521	1521	1521
70°	940	627	940
75°	0	414	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 21163 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2518.7	28.3
10°-20°	4056.5	45.5
20°-30°	1752.9	19.7
30°-40°	399.5	4.5
40°-50°	137.2	1.5
50°-60°	33.5	0.4
60°-70°	8.7	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°	8328.1	93.5
0°-40°	8727.6	98.0
0°-60°	8898.3	99.9
0°-90°	8907.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8907.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	28643	28643	28643	28643	28643	
5°	27715	27688	27683	27740	27716	2521
15°	15186	15004	15105	15056	15029	4066
25°	3569	3704	4025	3610	3496	1708
35°	599	612	574	570	481	406
45°	158	196	196	196	159	112
55°	25	27	48	28	27	25
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°	28643.3	28643.3	28643.3	28643.3	28643.3
2.5°	28453.4	28433.7	28445.0	28459.0	28464.7
5°	27715.1	27688.4	27682.8	27740.4	27716.5
7.5°	26225.8	26187.9	26130.2	26261.0	26383.3
10°	23731.1	23688.9	23563.7	23625.6	23725.5
12.5°	20048.0	19911.6	19908.8	20105.7	20079.0
15°	15186.5	15003.7	15104.9	15055.7	15029.0
17.5°	10212.5	10142.1	10277.1	10236.4	10060.6
20°	7346.4	7364.7	7622.1	7492.7	7336.6
22.5°	5360.8	5426.9	5732.0	5398.7	5276.4
25°	3569.2	3704.2	4024.8	3609.9	3496.0
27.5°	2195.2	2257.1	2581.9	2167.1	2105.2
30°	1365.5	1334.6	1487.9	1276.9	1189.7
32.5°	895.8	856.4	905.6	812.8	742.5
35°	599.1	611.7	573.8	569.5	481.0
37.5°	374.1	430.3	379.7	405.0	309.4
40°	241.9	312.2	268.6	296.7	227.8
42.5°	198.3	240.5	220.8	234.8	202.5
45°	157.5	195.5	195.5	195.5	158.9
47.5°	87.2	130.8	167.3	133.6	92.8
50°	49.2	66.1	129.4	68.9	52.0
52.5°	33.8	38.0	88.6	39.4	35.2
55°	25.3	26.7	47.8	28.1	26.7
57.5°	19.7	21.1	25.3	21.1	19.7
60°	15.5	15.5	18.3	16.9	15.5
62.5°	11.3	11.3	12.7	11.3	11.3
65°	8.4	8.4	8.4	8.4	8.4
67.5°	4.2	5.6	5.6	5.6	5.6
70°	4.2	2.8	2.8	2.8	4.2
72.5°	2.8	1.4	1.4	1.4	1.4
75°	0.0	0.0	1.4	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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