

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: P771113

Luminaire Tested: LD6D75BD010-EU6DR3070959040-6LBSQW1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P771113  
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: LD6D75BD010-EU6DR3070959040-6LBSQW1MW  
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

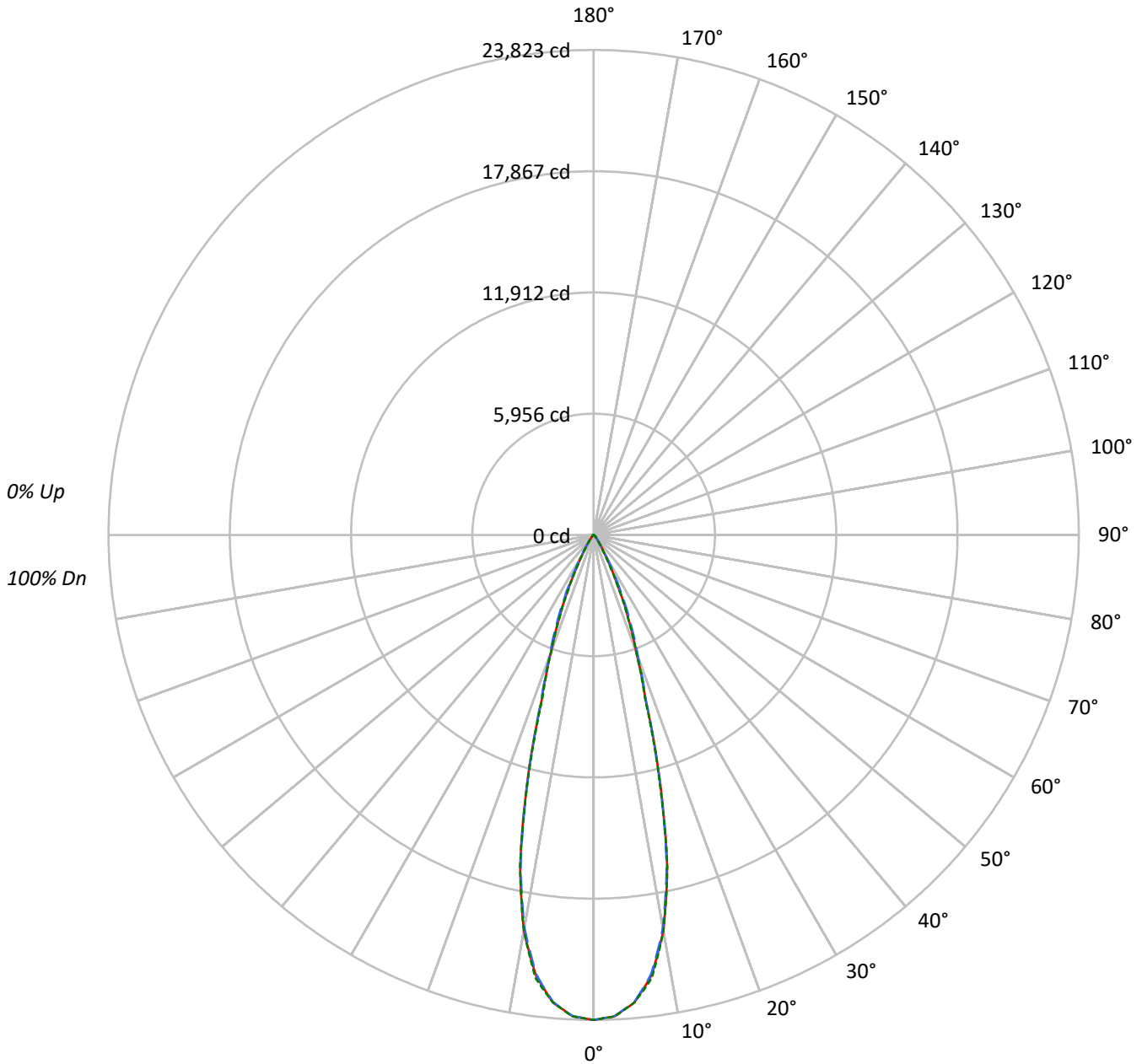
Lumens per Lamp: N/A  
Luminaire Lumens: 7408.9 lumens  
Efficiency: N/A  
Efficacy: 102.3 lumens/watt  
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49  
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')  
CIE Type: Direct

Input Watts (W): 72.4  
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°	1823516	1823516	1823516
5°	1771165	1769098	1771257
10°	1534097	1523278	1533732
15°	1000925	995545	990544
20°	497711	516389	497043
25°	250717	282717	245574
30°	100379	109376	87457
35°	46562	44591	37377
40°	20104	22322	18935
45°	14181	17601	14310
50°	4870	12813	5156
55°	2816	5311	2963
60°	1975	2327	1975
65°	1268	1268	1268
70°	783	515	783
75°	0	355	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 17601 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2094.9	28.3
10°-20°	3373.9	45.5
20°-30°	1457.9	19.7
30°-40°	332.3	4.5
40°-50°	114.1	1.5
50°-60°	27.9	0.4
60°-70°	7.2	0.1
70°-80°	0.8	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°	6926.7	93.5
0°-40°	7259.0	98.0
0°-60°	7400.9	99.9
0°-90°	7408.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7408.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	23823	23823	23823	23823	23823	
5°	23051	23029	23024	23072	23052	2097
15°	12631	12479	12563	12522	12500	3382
25°	2969	3081	3348	3002	2908	1421
35°	498	509	477	474	400	338
45°	131	163	163	163	132	93
55°	21	22	40	23	22	21
65°	7	7	7	7	7	7
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°	23823.3	23823.3	23823.3	23823.3	23823.3
2.5°	23665.4	23649.0	23658.4	23670.1	23674.7
5°	23051.3	23029.1	23024.4	23072.4	23052.5
7.5°	21812.7	21781.1	21733.1	21841.9	21943.7
10°	19737.7	19702.6	19598.5	19650.0	19733.0
12.5°	16674.4	16561.0	16558.6	16722.4	16700.2
15°	12631.0	12478.9	12563.1	12522.2	12500.0
17.5°	8493.9	8435.5	8547.7	8513.8	8367.6
20°	6110.2	6125.4	6339.5	6231.9	6102.0
22.5°	4458.7	4513.6	4767.5	4490.3	4388.5
25°	2968.6	3080.8	3347.5	3002.5	2907.7
27.5°	1825.8	1877.3	2147.5	1802.4	1751.0
30°	1135.7	1110.0	1237.5	1062.0	989.5
32.5°	745.1	712.3	753.2	676.1	617.6
35°	498.3	508.8	477.2	473.7	400.0
37.5°	311.1	357.9	315.8	336.9	257.3
40°	201.2	259.7	223.4	246.8	189.5
42.5°	164.9	200.0	183.6	195.3	168.4
45°	131.0	162.6	162.6	162.6	132.2
47.5°	72.5	108.8	139.2	111.1	77.2
50°	40.9	55.0	107.6	57.3	43.3
52.5°	28.1	31.6	73.7	32.7	29.2
55°	21.1	22.2	39.8	23.4	22.2
57.5°	16.4	17.5	21.1	17.5	16.4
60°	12.9	12.9	15.2	14.0	12.9
62.5°	9.4	9.4	10.5	9.4	9.4
65°	7.0	7.0	7.0	7.0	7.0
67.5°	3.5	4.7	4.7	4.7	4.7
70°	3.5	2.3	2.3	2.3	3.5
72.5°	2.3	1.2	1.2	1.2	1.2
75°	0.0	0.0	1.2	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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