

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: P772621

Luminaire Tested: LD6D85BD010-EU6DR3070959024-6LBSQW1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P772621  
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-EU6DR3070959024-6LBSQW1MW  
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: -

**Summary**

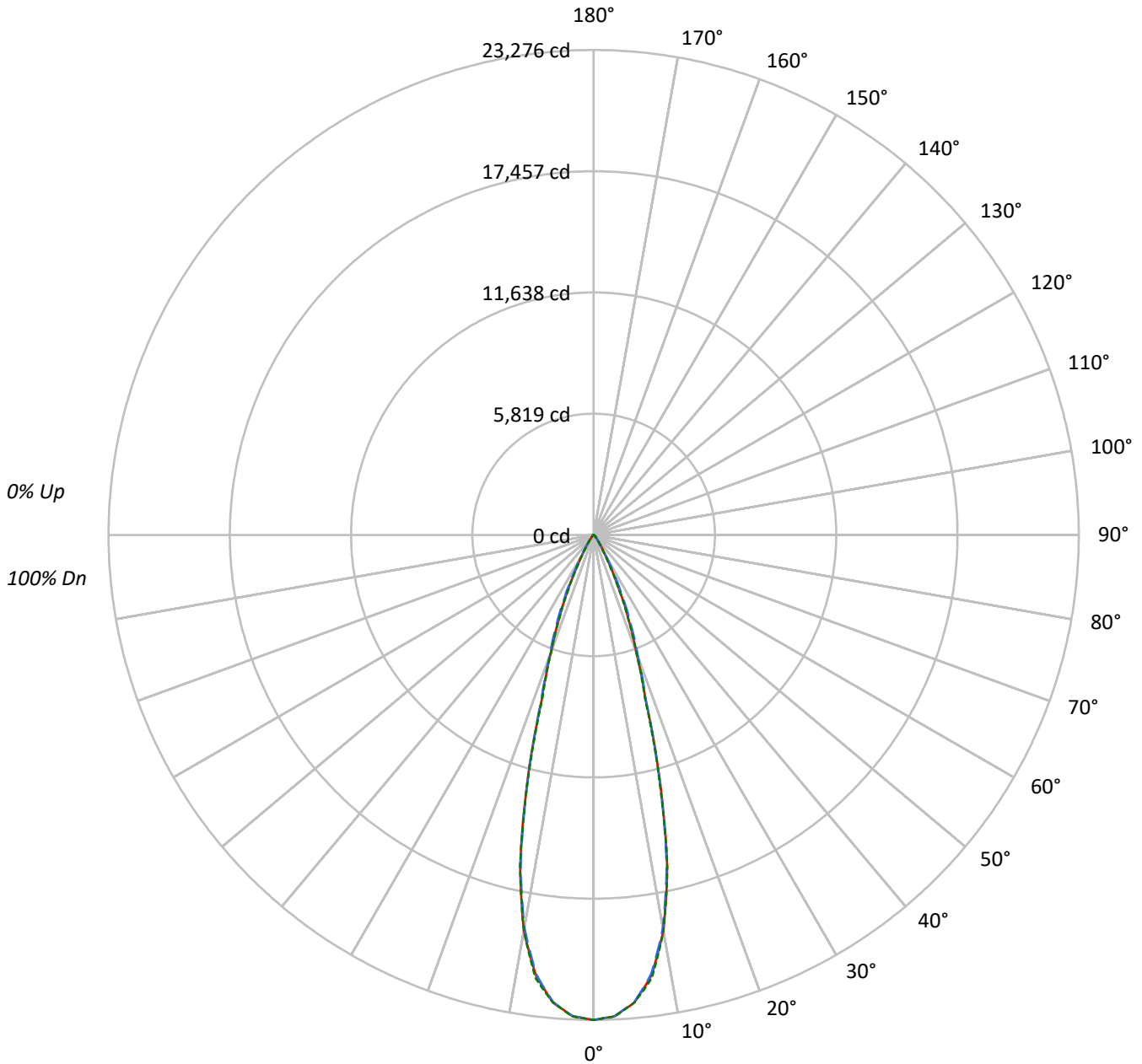
Lumens per Lamp: N/A  
Luminaire Lumens: 7238.8 lumens  
Efficiency: N/A  
Efficacy: 82.5 lumens/watt  
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49  
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')  
CIE Type: Direct

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						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°	1781632	1781632	1781632
5°	1730488	1728467	1730580
10°	1498865	1488294	1498507
15°	977937	972683	967794
20°	486283	504529	485631
25°	244957	276223	239940
30°	98072	106866	85450
35°	45488	43572	36517
40°	19644	21813	18495
45°	13856	17190	13975
50°	4763	12515	5037
55°	2749	5191	2896
60°	1929	2281	1929
65°	1250	1250	1250
70°	761	515	761
75°	0	325	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 17190 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2046.8	28.3
10°-20°	3296.4	45.5
20°-30°	1424.4	19.7
30°-40°	324.7	4.5
40°-50°	111.5	1.5
50°-60°	27.2	0.4
60°-70°	7.1	0.1
70°-80°	0.7	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°	6767.6	93.5
0°-40°	7092.3	98.0
0°-60°	7231.0	99.9
0°-90°	7238.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7238.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	23276	23276	23276	23276	23276	
5°	22522	22500	22496	22542	22523	2048
15°	12341	12192	12275	12235	12213	3304
25°	2900	3010	3271	2934	2841	1388
35°	487	497	466	463	391	330
45°	128	159	159	159	129	91
55°	21	22	39	23	22	20
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°	23276.1	23276.1	23276.1	23276.1	23276.1
2.5°	23121.9	23105.9	23115.0	23126.4	23131.0
5°	22521.9	22500.2	22495.6	22542.5	22523.1
7.5°	21311.7	21280.9	21234.0	21340.3	21439.7
10°	19284.4	19250.1	19148.4	19198.7	19279.8
12.5°	16291.5	16180.6	16178.3	16338.3	16316.6
15°	12340.9	12192.3	12274.6	12234.6	12212.9
17.5°	8298.9	8241.7	8351.4	8318.3	8175.4
20°	5969.9	5984.7	6193.9	6088.7	5961.9
22.5°	4356.3	4410.0	4658.0	4387.1	4287.7
25°	2900.4	3010.1	3270.6	2933.5	2841.0
27.5°	1783.9	1834.2	2098.1	1761.0	1710.7
30°	1109.6	1084.5	1209.1	1037.6	966.8
32.5°	728.0	696.0	736.0	660.5	603.4
35°	486.8	497.1	466.3	462.8	390.8
37.5°	304.0	349.7	308.6	329.1	251.4
40°	196.6	253.7	218.3	241.1	185.1
42.5°	161.1	195.4	179.4	190.8	164.6
45°	128.0	158.8	158.8	158.8	129.1
47.5°	70.9	106.3	136.0	108.6	75.4
50°	40.0	53.7	105.1	56.0	42.3
52.5°	27.4	30.9	72.0	32.0	28.6
55°	20.6	21.7	38.9	22.9	21.7
57.5°	16.0	17.1	20.6	17.1	16.0
60°	12.6	12.6	14.9	13.7	12.6
62.5°	9.1	9.1	10.3	9.1	9.1
65°	6.9	6.9	6.9	6.9	6.9
67.5°	3.4	4.6	4.6	4.6	4.6
70°	3.4	2.3	2.3	2.3	3.4
72.5°	2.3	1.1	1.1	1.1	1.1
75°	0.0	0.0	1.1	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



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Scaled Data Report







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

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