

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: P773402

Luminaire Tested: LD6D90BD010-EU6DR3070959027-6LBCSSQMB

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P773402  
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: LD6D90BD010-EU6DR3070959027-6LBCSSQMB  
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9448.6 lumens  
Efficiency: N/A  
Efficacy: 95.5 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

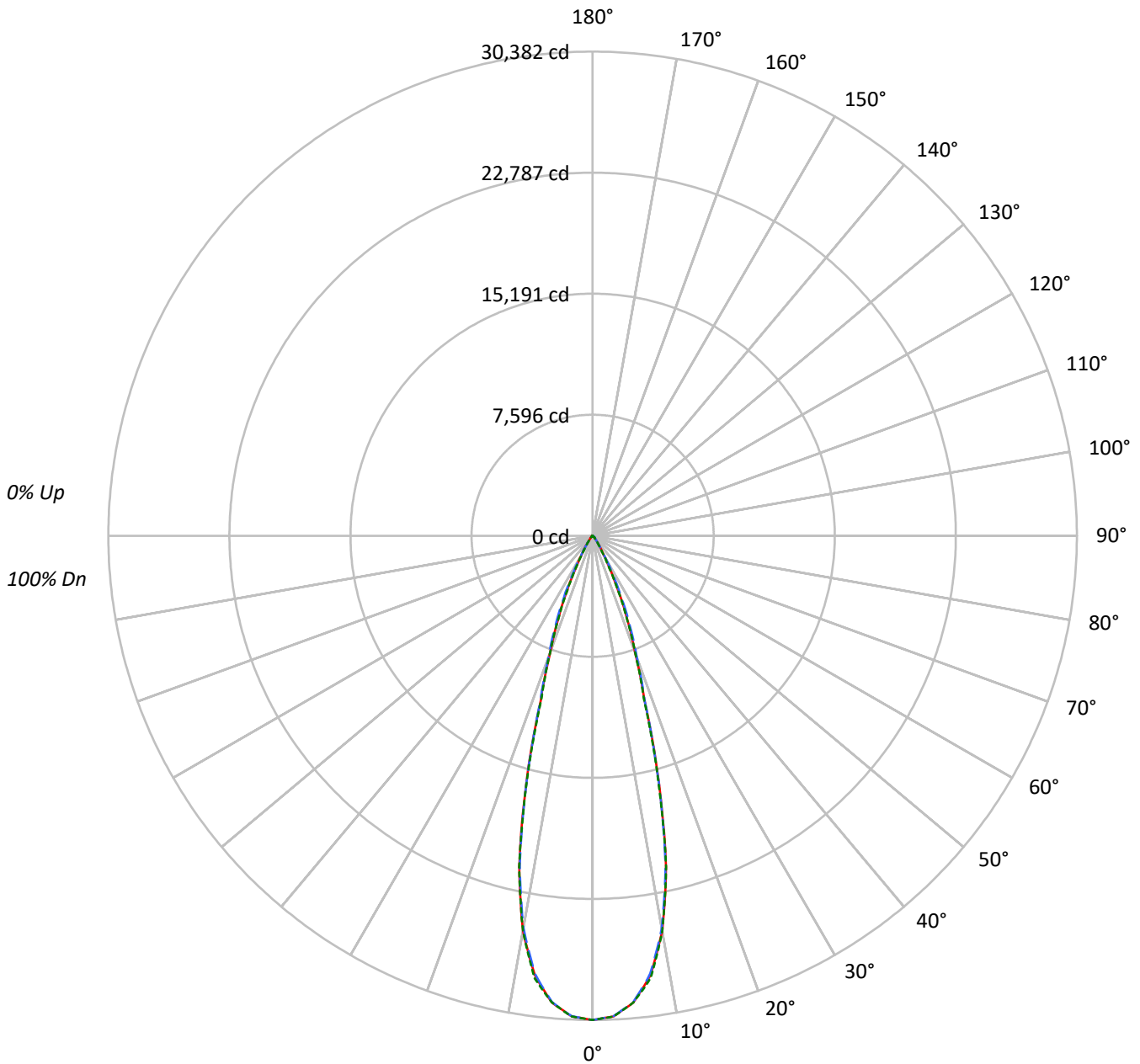
Input Watts (W): 98.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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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°	2325526	2325526	2325526
5°	2258764	2256129	2258880
10°	1956435	1942631	1955968
15°	1276471	1269616	1263237
20°	634728	658546	633881
25°	319735	360552	313181
30°	128016	139489	111533
35°	59373	56869	47665
40°	25640	28467	24141
45°	18088	22440	18251
50°	6216	16338	6573
55°	3576	6766	3777
60°	2511	2970	2511
65°	1612	1612	1612
70°	1007	671	1007
75°	0	444	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 22440 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2671.6	28.3
10°-20°	4302.7	45.5
20°-30°	1859.3	19.7
30°-40°	423.8	4.5
40°-50°	145.5	1.5
50°-60°	35.5	0.4
60°-70°	9.2	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°	8833.6	93.5
0°-40°	9257.3	98.0
0°-60°	9438.4	99.9
0°-90°	9448.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9448.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	30382	30382	30382	30382	30382	
5°	29397	29369	29363	29424	29399	2674
15°	16108	15914	16022	15970	15941	4313
25°	3786	3929	4269	3829	3708	1812
35°	635	649	609	604	510	431
45°	167	207	207	207	169	119
55°	27	28	51	30	28	26
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°	30381.8	30381.8	30381.8	30381.8	30381.8
2.5°	30180.4	30159.5	30171.4	30186.4	30192.3
5°	29397.3	29368.9	29363.0	29424.1	29398.8
7.5°	27817.6	27777.4	27716.2	27854.9	27984.7
10°	25171.5	25126.7	24993.9	25059.6	25165.5
12.5°	21264.8	21120.2	21117.2	21326.0	21297.7
15°	16108.2	15914.3	16021.7	15969.5	15941.2
17.5°	10832.3	10757.7	10900.9	10857.7	10671.2
20°	7792.3	7811.7	8084.7	7947.5	7781.9
22.5°	5686.1	5756.2	6079.9	5726.4	5596.6
25°	3785.8	3929.0	4269.1	3829.0	3708.2
27.5°	2328.5	2394.1	2738.7	2298.6	2233.0
30°	1448.4	1415.6	1578.2	1354.4	1261.9
32.5°	950.2	908.4	960.6	862.2	787.6
35°	635.4	648.9	608.6	604.1	510.1
37.5°	396.8	456.4	402.7	429.6	328.2
40°	256.6	331.1	284.9	314.7	241.6
42.5°	210.3	255.1	234.2	249.1	214.8
45°	167.1	207.3	207.3	207.3	168.6
47.5°	92.5	138.7	177.5	141.7	98.4
50°	52.2	70.1	137.2	73.1	55.2
52.5°	35.8	40.3	94.0	41.8	37.3
55°	26.8	28.3	50.7	29.8	28.3
57.5°	20.9	22.4	26.8	22.4	20.9
60°	16.4	16.4	19.4	17.9	16.4
62.5°	11.9	11.9	13.4	11.9	11.9
65°	8.9	8.9	8.9	8.9	8.9
67.5°	4.5	6.0	6.0	6.0	6.0
70°	4.5	3.0	3.0	3.0	4.5
72.5°	3.0	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

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Scaled Data Report



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Scaled Data Report







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

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