

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: P773401

Luminaire Tested: LD6D90BD010-EU6DR3070959024-6LBSQW1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P773401  
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-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**

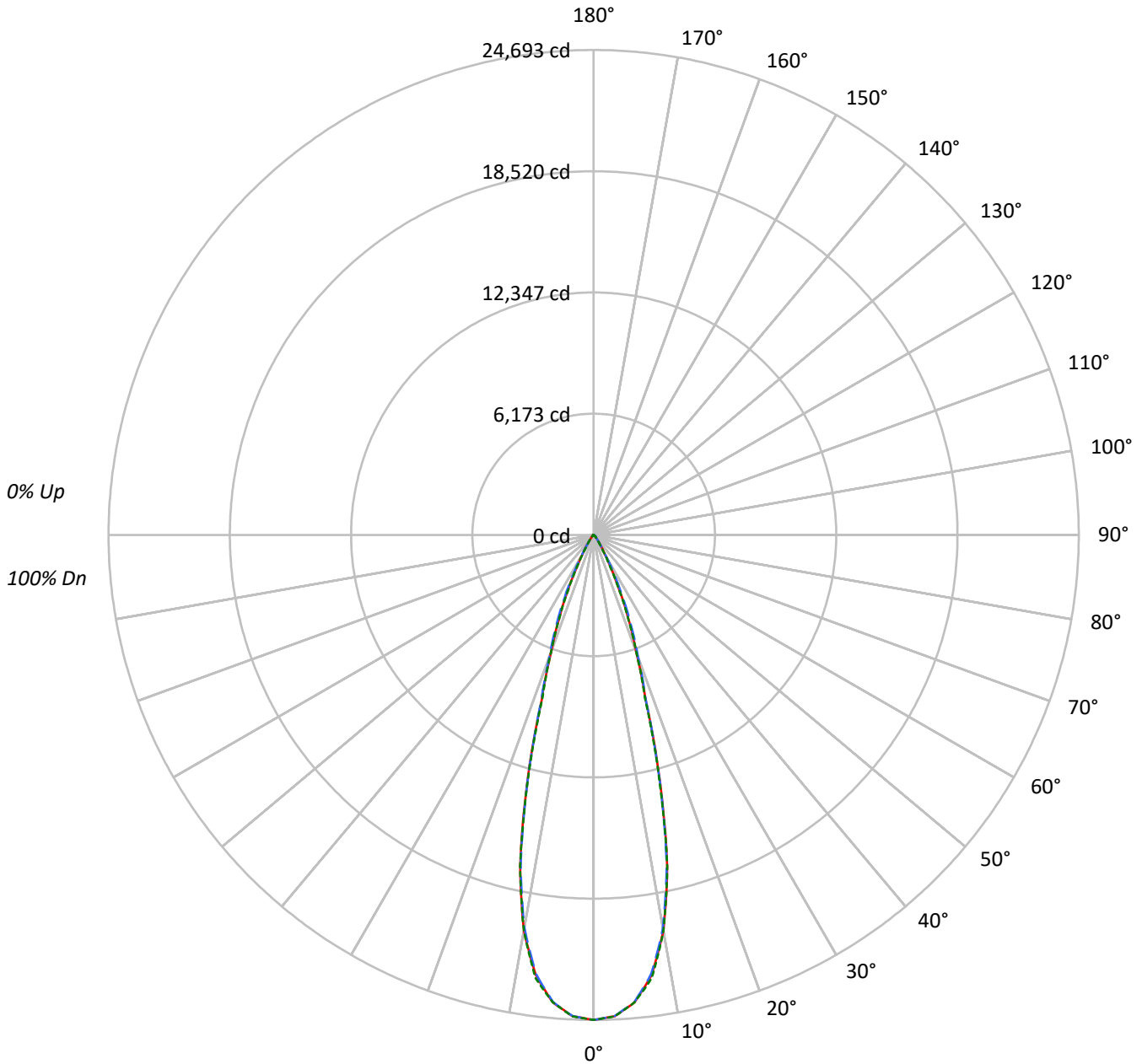
Lumens per Lamp: N/A  
Luminaire Lumens: 7679.3 lumens  
Efficiency: N/A  
Efficacy: 77.6 lumens/watt  
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49  
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')  
CIE Type: Direct

Input Watts (W): 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	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°	1890071	1890071	1890071
5°	1835807	1833671	1835906
10°	1590089	1578874	1589716
15°	1037457	1031886	1026695
20°	515876	535230	515183
25°	259864	293038	254543
30°	104046	113362	90647
35°	48263	46217	38741
40°	20833	23142	19624
45°	14700	18240	14830
50°	5049	13277	5347
55°	2909	5498	3069
60°	2036	2419	2036
65°	1322	1322	1322
70°	806	537	806
75°	0	355	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 18240 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2171.4	28.3
10°-20°	3497.0	45.5
20°-30°	1511.1	19.7
30°-40°	344.4	4.5
40°-50°	118.3	1.5
50°-60°	28.9	0.4
60°-70°	7.5	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°	7179.5	93.5
0°-40°	7523.9	98.0
0°-60°	7671.0	99.9
0°-90°	7679.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7679.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	24693	24693	24693	24693	24693	
5°	23893	23870	23865	23914	23894	2173
15°	13092	12934	13022	12979	12956	3506
25°	3077	3193	3470	3112	3014	1473
35°	516	527	495	491	415	350
45°	136	168	168	168	137	96
55°	22	23	41	24	23	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°	24692.8	24692.8	24692.8	24692.8	24692.8
2.5°	24529.1	24512.1	24521.8	24534.0	24538.8
5°	23892.6	23869.6	23864.8	23914.5	23893.9
7.5°	22608.8	22576.1	22526.3	22639.1	22744.6
10°	20458.1	20421.7	20313.8	20367.2	20453.3
12.5°	17283.0	17165.4	17163.0	17332.7	17309.7
15°	13092.0	12934.4	13021.7	12979.2	12956.2
17.5°	8804.0	8743.3	8859.7	8824.6	8673.0
20°	6333.2	6349.0	6570.8	6459.3	6324.7
22.5°	4621.4	4678.4	4941.5	4654.1	4548.7
25°	3076.9	3193.3	3469.7	3112.1	3013.9
27.5°	1892.5	1945.8	2225.8	1868.2	1814.9
30°	1177.2	1150.5	1282.6	1100.8	1025.6
32.5°	772.3	738.3	780.7	700.7	640.1
35°	516.5	527.4	494.6	491.0	414.6
37.5°	322.5	371.0	327.3	349.2	266.7
40°	208.5	269.1	231.6	255.8	196.4
42.5°	170.9	207.3	190.3	202.5	174.6
45°	135.8	168.5	168.5	168.5	137.0
47.5°	75.2	112.7	144.3	115.2	80.0
50°	42.4	57.0	111.5	59.4	44.9
52.5°	29.1	32.7	76.4	33.9	30.3
55°	21.8	23.0	41.2	24.2	23.0
57.5°	17.0	18.2	21.8	18.2	17.0
60°	13.3	13.3	15.8	14.5	13.3
62.5°	9.7	9.7	10.9	9.7	9.7
65°	7.3	7.3	7.3	7.3	7.3
67.5°	3.6	4.8	4.8	4.8	4.8
70°	3.6	2.4	2.4	2.4	3.6
72.5°	2.4	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

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Scaled Data Report



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Scaled Data Report







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

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