

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: P774194

Luminaire Tested: LD6D95BD010-EU6DR3070959027-6LBSQW1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P774194  
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: LD6D95BD010-EU6DR3070959027-6LBSQW1MW  
Description: 6 INCH SQAURE DEEP 45° CUTOFF 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: 8910.0 lumens  
Efficiency: N/A  
Efficacy: 89.8 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

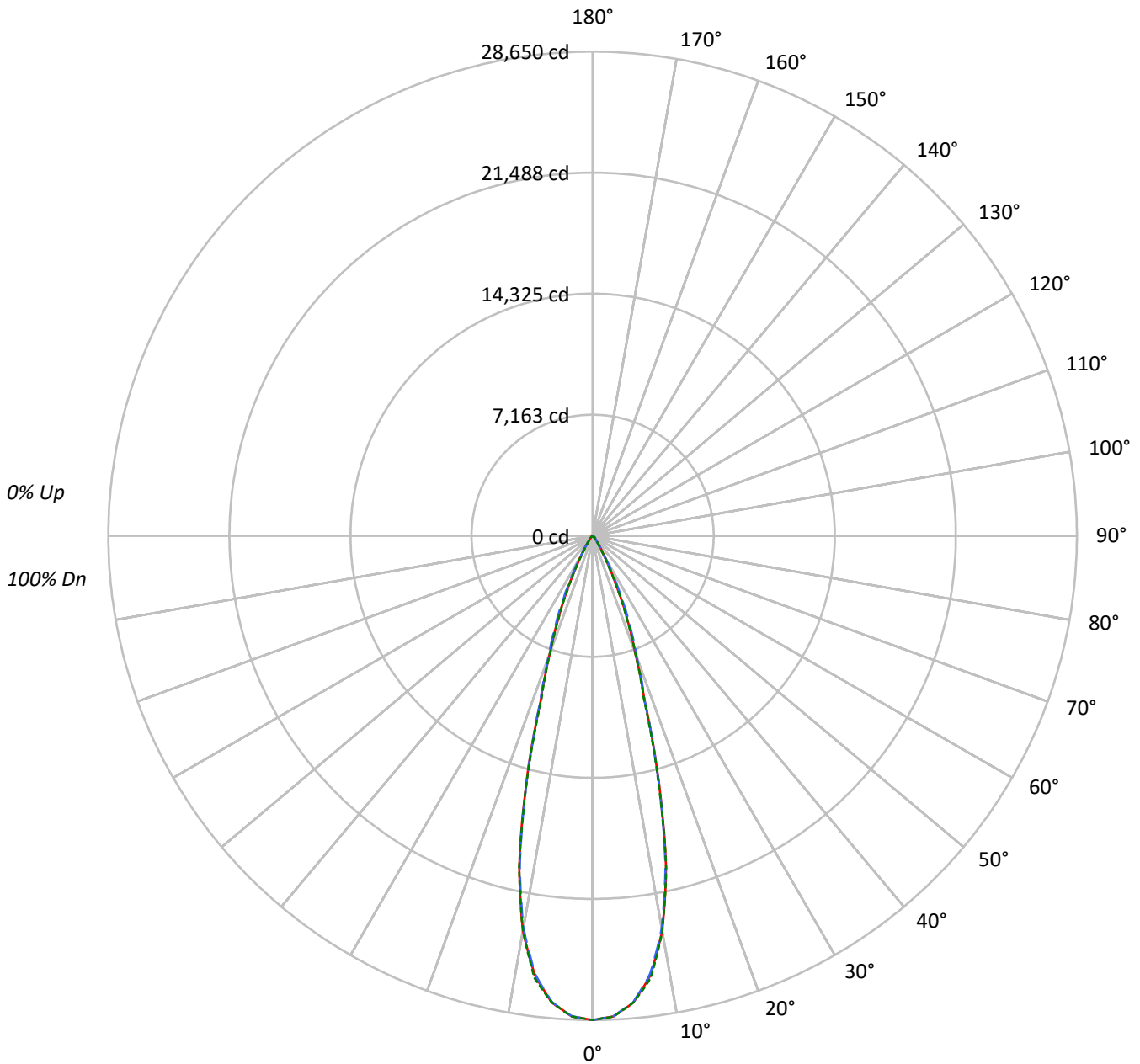
Input Watts (W): 99.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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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°	2192976	2192976	2192976
5°	2130018	2127529	2130126
10°	1844916	1831905	1844481
15°	1203718	1197251	1191237
20°	598553	621011	597747
25°	301509	339996	295335
30°	120716	131534	105178
35°	55991	53626	44955
40°	24171	26849	22772
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°	2519.3	28.3
10°-20°	4057.4	45.5
20°-30°	1753.3	19.7
30°-40°	399.6	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°	8330.1	93.5
0°-40°	8729.7	98.0
0°-60°	8900.4	99.9
0°-90°	8910.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8910.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	28650	28650	28650	28650	28650	
5°	27722	27695	27689	27747	27723	2521
15°	15190	15007	15108	15059	15033	4067
25°	3570	3705	4026	3611	3497	1709
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°	28650.1	28650.1	28650.1	28650.1	28650.1
2.5°	28460.2	28440.5	28451.7	28465.8	28471.4
5°	27721.7	27695.0	27689.3	27747.0	27723.1
7.5°	26232.1	26194.1	26136.4	26267.2	26389.6
10°	23736.7	23694.5	23569.3	23631.2	23731.1
12.5°	20052.8	19916.3	19913.5	20110.5	20083.7
15°	15190.1	15007.2	15108.5	15059.3	15032.6
17.5°	10214.9	10144.6	10279.6	10238.8	10063.0
20°	7348.2	7366.5	7623.9	7494.5	7338.3
22.5°	5362.0	5428.2	5733.4	5400.0	5277.6
25°	3570.0	3705.0	4025.7	3610.8	3496.9
27.5°	2195.7	2257.6	2582.6	2167.6	2105.7
30°	1365.8	1334.9	1488.2	1277.2	1190.0
32.5°	896.0	856.6	905.9	813.0	742.7
35°	599.2	611.9	573.9	569.7	481.1
37.5°	374.2	430.4	379.8	405.1	309.5
40°	241.9	312.3	268.7	296.8	227.9
42.5°	198.3	240.5	220.8	234.9	202.6
45°	157.5	195.5	195.5	195.5	158.9
47.5°	87.2	130.8	167.4	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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