

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: P774245

Luminaire Tested: LD6D95BD010-EU6DR3070959050-6LBSQW1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774245
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-EU6DR3070959050-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

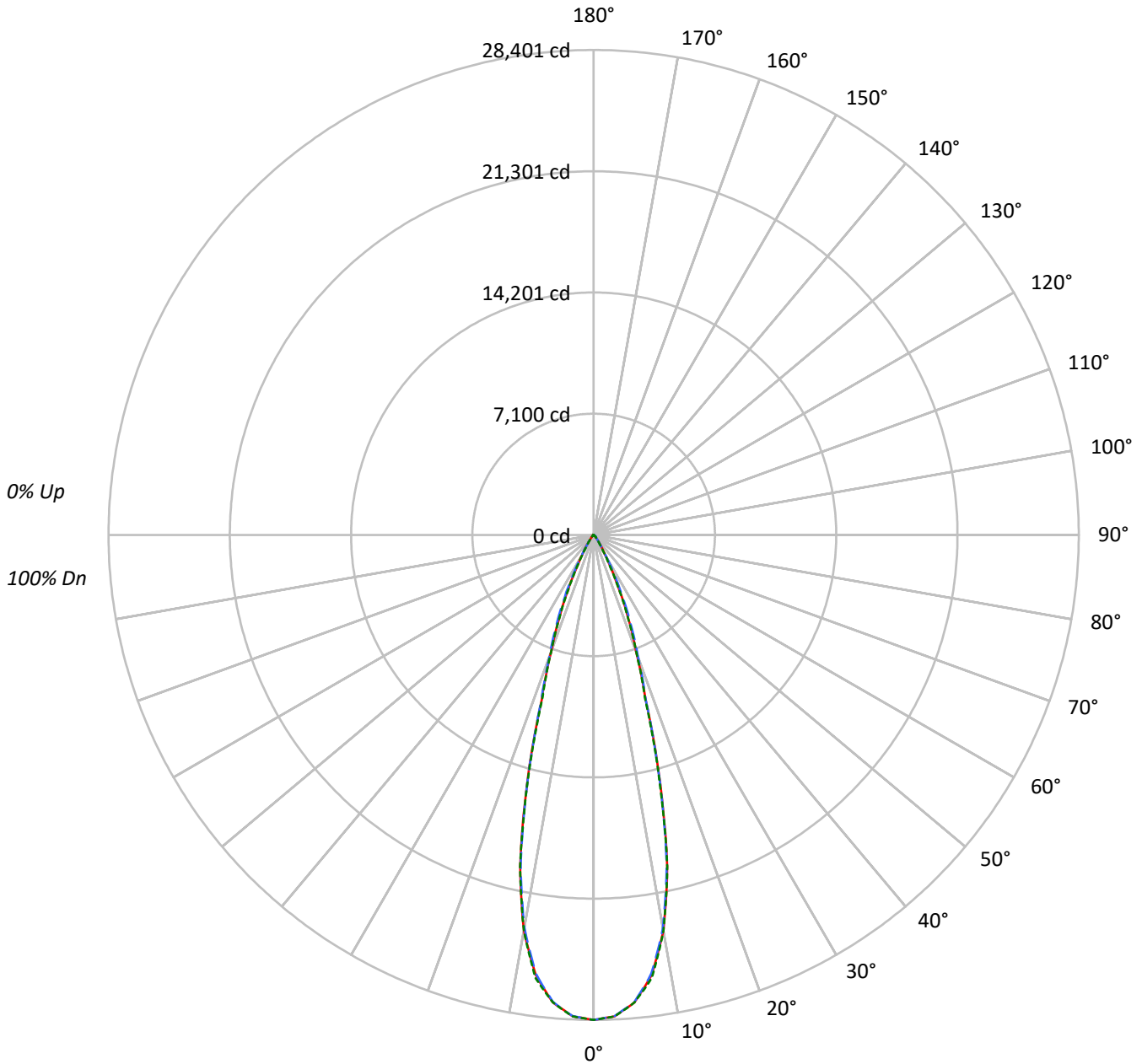
Lumens per Lamp: N/A
Luminaire Lumens: 8832.7 lumens
Efficiency: N/A
Efficacy: 89.0 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

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	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°	2173940	2173940	2173940
5°	2111532	2109065	2111639
10°	1828905	1816010	1828470
15°	1193273	1186862	1180895
20°	593356	615618	592566
25°	298891	337048	292768
30°	119673	130394	104267
35°	55505	53159	44563
40°	23961	26609	22572
45°	16908	20979	17060
50°	5811	15278	6145
55°	3350	6325	3536
60°	2342	2771	2342
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: 20979 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2497.5	28.3
10°-20°	4022.2	45.5
20°-30°	1738.1	19.7
30°-40°	396.1	4.5
40°-50°	136.0	1.5
50°-60°	33.2	0.4
60°-70°	8.6	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°	8257.8	93.5
0°-40°	8653.9	98.0
0°-60°	8823.2	99.9
0°-90°	8832.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8832.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	28401	28401	28401	28401	28401	
5°	27481	27455	27449	27506	27482	2500
15°	15058	14877	14977	14929	14902	4032
25°	3539	3673	3991	3580	3466	1694
35°	594	607	569	565	477	403
45°	156	194	194	194	158	111
55°	25	26	47	28	26	24
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°	28401.4	28401.4	28401.4	28401.4	28401.4
2.5°	28213.2	28193.6	28204.8	28218.7	28224.3
5°	27481.1	27454.6	27449.0	27506.2	27482.5
7.5°	26004.4	25966.8	25909.6	26039.3	26160.6
10°	23530.7	23488.9	23364.8	23426.1	23525.1
12.5°	19878.8	19743.5	19740.7	19935.9	19909.4
15°	15058.3	14877.0	14977.4	14928.6	14902.1
17.5°	10126.2	10056.5	10190.4	10149.9	9975.6
20°	7284.4	7302.5	7557.7	7429.4	7274.7
22.5°	5315.5	5381.0	5683.6	5353.2	5231.8
25°	3539.0	3672.9	3990.8	3579.5	3466.5
27.5°	2176.7	2238.0	2560.1	2148.8	2087.4
30°	1354.0	1323.3	1475.3	1266.1	1179.7
32.5°	888.2	849.2	898.0	806.0	736.3
35°	594.0	606.6	568.9	564.7	476.9
37.5°	370.9	426.7	376.5	401.6	306.8
40°	239.8	309.6	266.3	294.2	225.9
42.5°	196.6	238.4	218.9	232.9	200.8
45°	156.2	193.8	193.8	193.8	157.6
47.5°	86.5	129.7	165.9	132.5	92.0
50°	48.8	65.5	128.3	68.3	51.6
52.5°	33.5	37.6	87.8	39.0	34.9
55°	25.1	26.5	47.4	27.9	26.5
57.5°	19.5	20.9	25.1	20.9	19.5
60°	15.3	15.3	18.1	16.7	15.3
62.5°	11.2	11.2	12.5	11.2	11.2
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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