

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: P766393

Luminaire Tested: LD6D45BD010-EU6DR3040509027-6LBSQW1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P766393
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: LD6D45BD010-EU6DR3040509027-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3529.8 lumens
Efficiency: N/A
Efficacy: 91.2 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

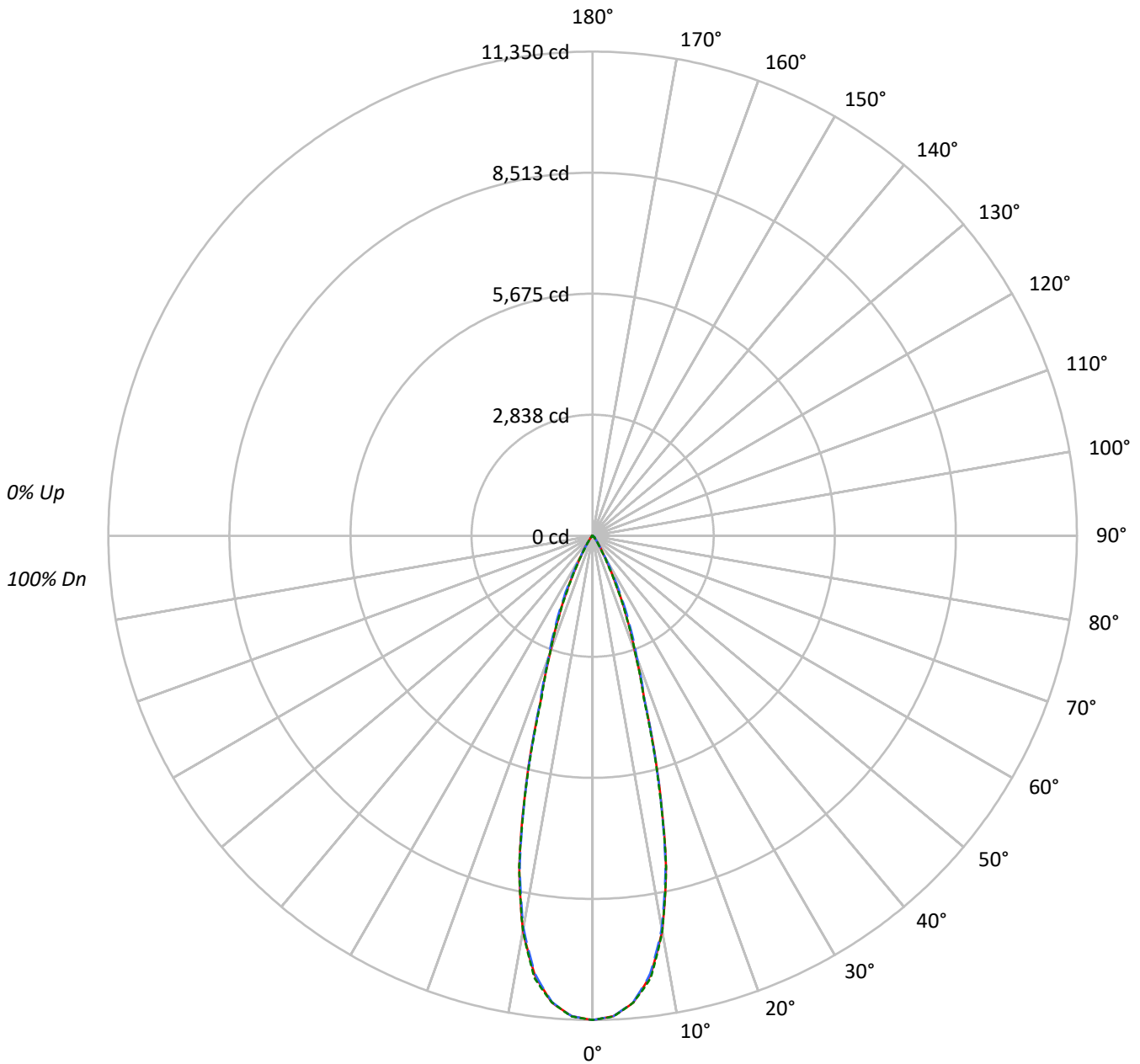
Input Watts (W): 38.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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																			
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°	868760	868760	868760
5°	843818	842835	843857
10°	730872	725719	730701
15°	476856	474296	471911
20°	237118	246013	236800
25°	119447	134691	116997
30°	47825	52112	41665
35°	22183	21249	17810
40°	9572	10632	9023
45°	6755	8389	6820
50°	2322	6109	2453
55°	1334	2522	1415
60°	934	1102	934
65°	598	598	598
70°	380	246	380
75°	0	177	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 8389 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	998.0	28.3
10°-20°	1607.4	45.5
20°-30°	694.6	19.7
30°-40°	158.3	4.5
40°-50°	54.4	1.5
50°-60°	13.3	0.4
60°-70°	3.4	0.1
70°-80°	0.4	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°	3300.0	93.5
0°-40°	3458.3	98.0
0°-60°	3526.0	99.9
0°-90°	3529.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3529.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11350	11350	11350	11350	11350	
5°	10982	10972	10969	10992	10983	999
15°	6018	5945	5985	5966	5955	1611
25°	1414	1468	1595	1430	1385	677
35°	237	242	227	226	191	161
45°	62	78	78	78	63	44
55°	10	11	19	11	11	10
65°	3	3	3	3	3	3
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°	11349.9	11349.9	11349.9	11349.9	11349.9
2.5°	11274.6	11266.8	11271.3	11276.9	11279.1
5°	10982.1	10971.5	10969.3	10992.1	10982.6
7.5°	10392.0	10376.9	10354.1	10405.9	10454.4
10°	9403.4	9386.7	9337.1	9361.6	9401.2
12.5°	7944.0	7890.0	7888.9	7966.9	7956.3
15°	6017.6	5945.2	5985.3	5965.8	5955.2
17.5°	4046.7	4018.8	4072.3	4056.2	3986.5
20°	2911.0	2918.3	3020.2	2969.0	2907.1
22.5°	2124.2	2150.4	2271.3	2139.2	2090.8
25°	1414.3	1467.8	1594.8	1430.4	1385.3
27.5°	869.9	894.4	1023.1	858.7	834.2
30°	541.1	528.8	589.6	506.0	471.4
32.5°	355.0	339.4	358.9	322.1	294.2
35°	237.4	242.4	227.4	225.7	190.6
37.5°	148.2	170.5	150.5	160.5	122.6
40°	95.8	123.7	106.4	117.6	90.3
42.5°	78.6	95.3	87.5	93.1	80.2
45°	62.4	77.5	77.5	77.5	63.0
47.5°	34.5	51.8	66.3	52.9	36.8
50°	19.5	26.2	51.3	27.3	20.6
52.5°	13.4	15.0	35.1	15.6	13.9
55°	10.0	10.6	18.9	11.1	10.6
57.5°	7.8	8.4	10.0	8.4	7.8
60°	6.1	6.1	7.2	6.7	6.1
62.5°	4.5	4.5	5.0	4.5	4.5
65°	3.3	3.3	3.3	3.3	3.3
67.5°	1.7	2.2	2.2	2.2	2.2
70°	1.7	1.1	1.1	1.1	1.7
72.5°	1.1	0.6	0.6	0.6	0.6
75°	0.0	0.0	0.6	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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