

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: P766380

Luminaire Tested: LD6D45BD010-EU6DR3040509024-6LBSQW1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P766380
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-EU6DR3040509024-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

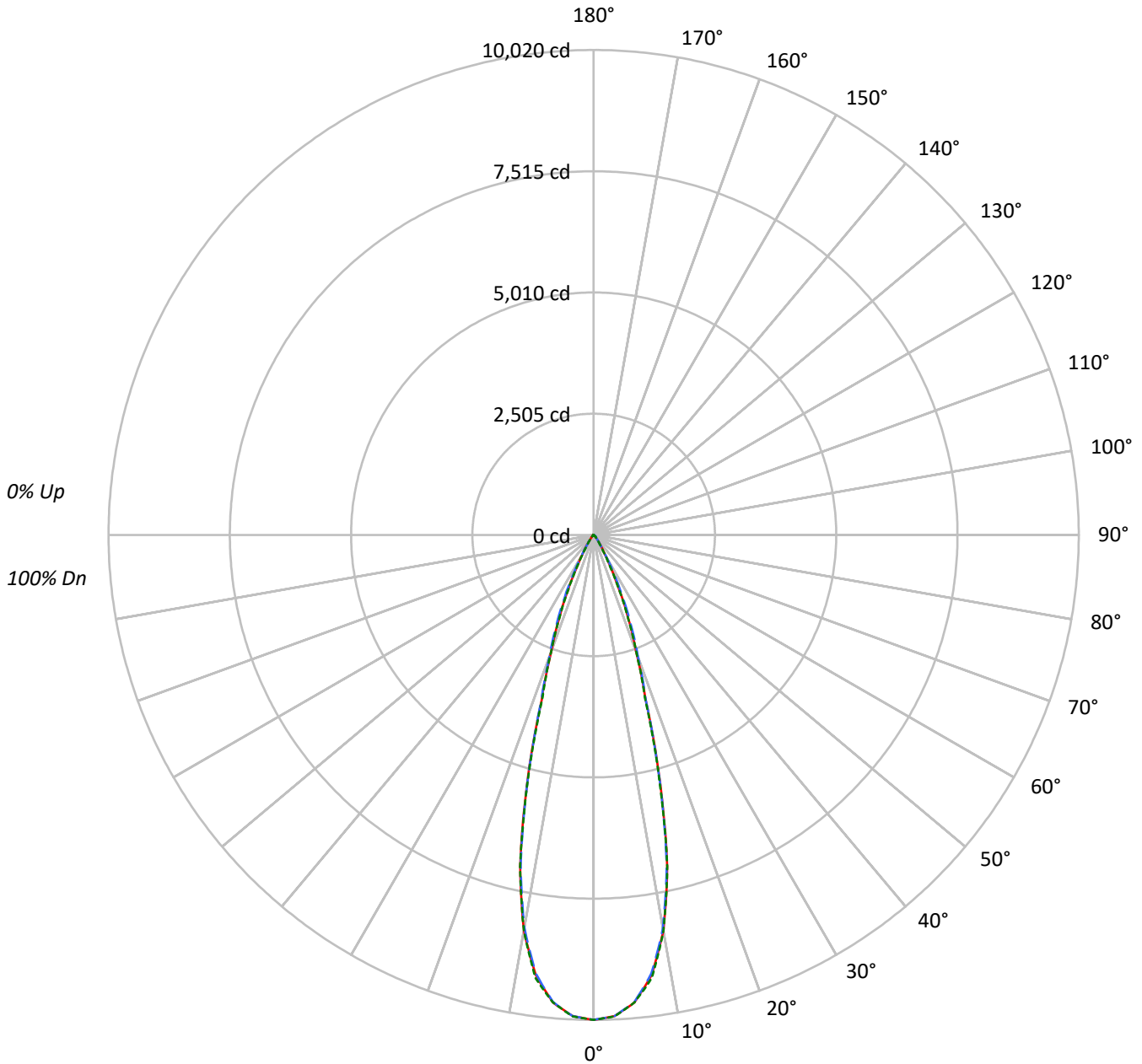
Lumens per Lamp: N/A
Luminaire Lumens: 3116.0 lumens
Efficiency: N/A
Efficacy: 80.5 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	766927	766927	766927
5°	744908	744039	744946
10°	645204	640657	645049
15°	420966	418699	416599
20°	209325	217177	209048
25°	105444	118906	103282
30°	42221	46004	36786
35°	19585	18754	15717
40°	8453	9393	7964
45°	5965	7404	6019
50°	2048	5394	2167
55°	1188	2229	1241
60°	827	980	827
65°	543	543	543
70°	336	224	336
75°	0	148	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 7404 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	881.1	28.3
10°-20°	1419.0	45.5
20°-30°	613.2	19.7
30°-40°	139.8	4.5
40°-50°	48.0	1.5
50°-60°	11.7	0.4
60°-70°	3.1	0.1
70°-80°	0.3	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°	2913.2	93.5
0°-40°	3052.9	98.0
0°-60°	3112.7	99.9
0°-90°	3116.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3116.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10020	10020	10020	10020	10020	
5°	9695	9686	9684	9704	9695	882
15°	5312	5248	5284	5266	5257	1422
25°	1248	1296	1408	1263	1223	598
35°	210	214	201	199	168	142
45°	55	68	68	68	56	39
55°	9	9	17	10	9	9
65°	3	3	3	3	3	3
75°	0	0	0	0	0	0
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°	10019.5	10019.5	10019.5	10019.5	10019.5
2.5°	9953.1	9946.2	9950.1	9955.0	9957.0
5°	9694.8	9685.5	9683.5	9703.7	9695.3
7.5°	9173.9	9160.6	9140.4	9186.2	9229.0
10°	8301.2	8286.4	8242.7	8264.3	8299.2
12.5°	7012.9	6965.1	6964.2	7033.0	7023.7
15°	5312.3	5248.3	5283.7	5266.5	5257.2
17.5°	3572.3	3547.7	3595.0	3580.7	3519.2
20°	2569.8	2576.2	2666.2	2621.0	2566.4
22.5°	1875.2	1898.3	2005.1	1888.5	1845.7
25°	1248.5	1295.7	1407.9	1262.8	1222.9
27.5°	767.9	789.5	903.2	758.1	736.4
30°	477.7	466.8	520.5	446.7	416.2
32.5°	313.4	299.6	316.8	284.3	259.7
35°	209.6	214.0	200.7	199.2	168.2
37.5°	130.9	150.5	132.8	141.7	108.2
40°	84.6	109.2	94.0	103.8	79.7
42.5°	69.4	84.1	77.2	82.2	70.8
45°	55.1	68.4	68.4	68.4	55.6
47.5°	30.5	45.7	58.5	46.7	32.5
50°	17.2	23.1	45.3	24.1	18.2
52.5°	11.8	13.3	31.0	13.8	12.3
55°	8.9	9.3	16.7	9.8	9.3
57.5°	6.9	7.4	8.9	7.4	6.9
60°	5.4	5.4	6.4	5.9	5.4
62.5°	3.9	3.9	4.4	3.9	3.9
65°	3.0	3.0	3.0	3.0	3.0
67.5°	1.5	2.0	2.0	2.0	2.0
70°	1.5	1.0	1.0	1.0	1.5
72.5°	1.0	0.5	0.5	0.5	0.5
75°	0.0	0.0	0.5	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





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

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