

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: P772635

Luminaire Tested: LD6D85BD010-EU6DR3070959030-6LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P772635
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: LD6D85BD010-EU6DR3070959030-6LBCSSQMB
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9175.6 lumens
Efficiency: N/A
Efficacy: 104.6 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

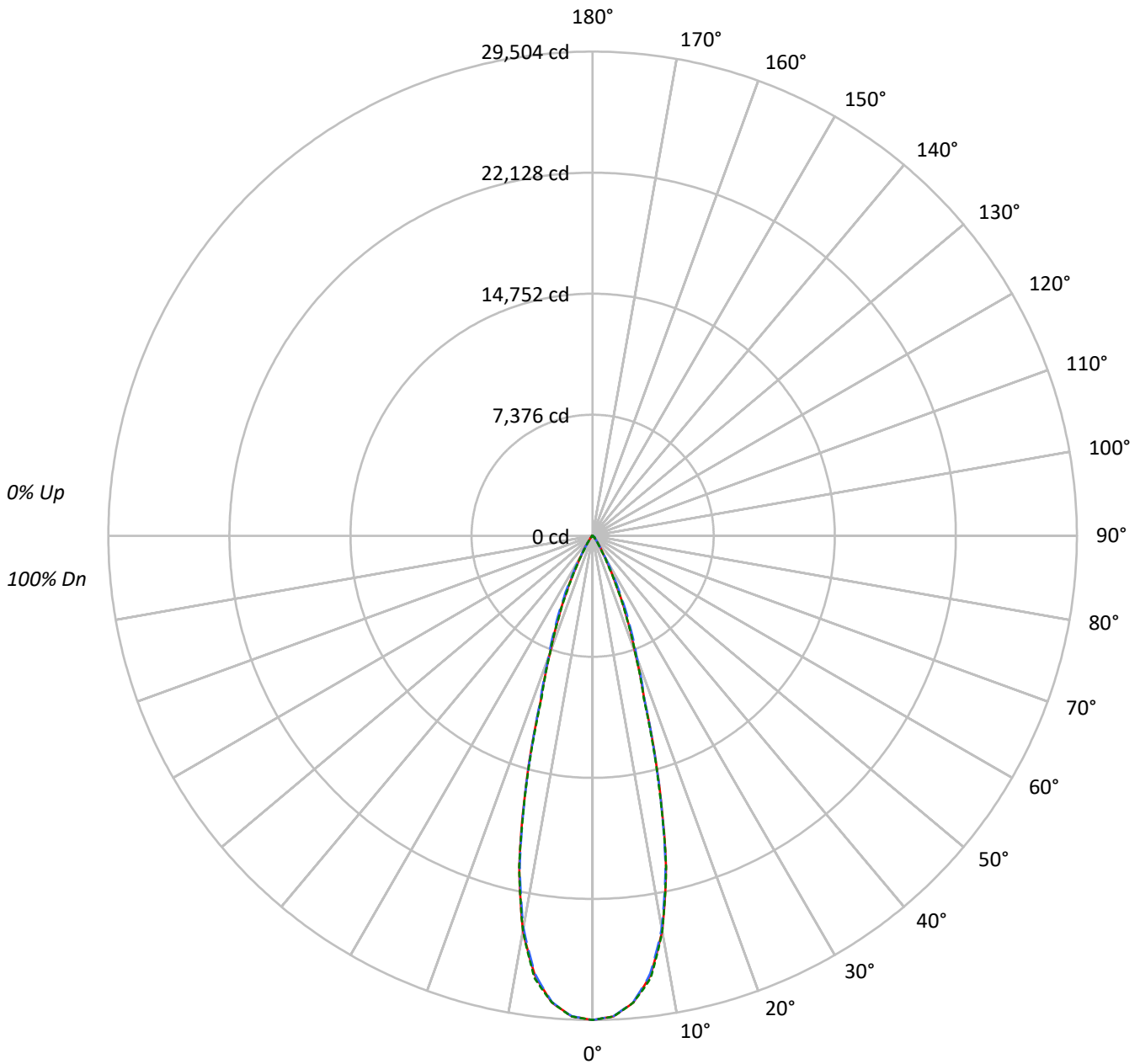
Input Watts (W): 87.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	2258352	2258352	2258352
5°	2193523	2190957	2193631
10°	1899921	1886522	1899471
15°	1239607	1232943	1226746
20°	616400	639526	615569
25°	310495	350139	304136
30°	124313	135458	108315
35°	57663	55224	46291
40°	24900	27648	23451
45°	17558	21790	17720
50°	6037	15873	6383
55°	3483	6579	3670
60°	2434	2878	2434
65°	1576	1576	1576
70°	962	649	962
75°	0	414	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 21790 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2594.4	28.3
10°-20°	4178.4	45.5
20°-30°	1805.6	19.7
30°-40°	411.5	4.5
40°-50°	141.3	1.5
50°-60°	34.5	0.4
60°-70°	8.9	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°	8578.4	93.5
0°-40°	8989.9	98.0
0°-60°	9165.8	99.9
0°-90°	9175.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9175.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	29504	29504	29504	29504	29504	
5°	28548	28521	28515	28574	28550	2597
15°	15643	15455	15559	15508	15481	4189
25°	3676	3816	4146	3718	3601	1760
35°	617	630	591	587	495	419
45°	162	201	201	201	164	115
55°	26	28	49	29	28	25
65°	9	9	9	9	9	9
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°	29504.2	29504.2	29504.2	29504.2	29504.2
2.5°	29308.6	29288.4	29300.0	29314.4	29320.2
5°	28548.2	28520.6	28514.8	28574.2	28549.6
7.5°	27014.1	26975.0	26915.6	27050.3	27176.4
10°	24444.4	24400.9	24272.0	24335.7	24438.6
12.5°	20650.6	20510.1	20507.2	20710.0	20682.5
15°	15643.0	15454.6	15558.9	15508.2	15480.7
17.5°	10519.4	10447.0	10586.1	10544.0	10363.0
20°	7567.3	7586.1	7851.2	7717.9	7557.1
22.5°	5521.9	5590.0	5904.3	5561.0	5435.0
25°	3676.4	3815.5	4145.8	3718.4	3601.1
27.5°	2261.2	2324.9	2659.5	2232.2	2168.5
30°	1406.5	1374.7	1532.6	1315.3	1225.5
32.5°	922.7	882.2	932.9	837.3	764.8
35°	617.1	630.1	591.0	586.7	495.4
37.5°	385.3	443.3	391.1	417.2	318.7
40°	249.2	321.6	276.7	305.6	234.7
42.5°	204.2	247.7	227.4	241.9	208.6
45°	162.2	201.3	201.3	201.3	163.7
47.5°	89.8	134.7	172.4	137.6	95.6
50°	50.7	68.1	133.3	71.0	53.6
52.5°	34.8	39.1	91.3	40.6	36.2
55°	26.1	27.5	49.3	29.0	27.5
57.5°	20.3	21.7	26.1	21.7	20.3
60°	15.9	15.9	18.8	17.4	15.9
62.5°	11.6	11.6	13.0	11.6	11.6
65°	8.7	8.7	8.7	8.7	8.7
67.5°	4.3	5.8	5.8	5.8	5.8
70°	4.3	2.9	2.9	2.9	4.3
72.5°	2.9	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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