

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: P768761

Luminaire Tested: LD6D60D010-EU6DR3055659040-6LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P768761
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: LD6D60D010-EU6DR3055659040-6LBCSSQMB
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

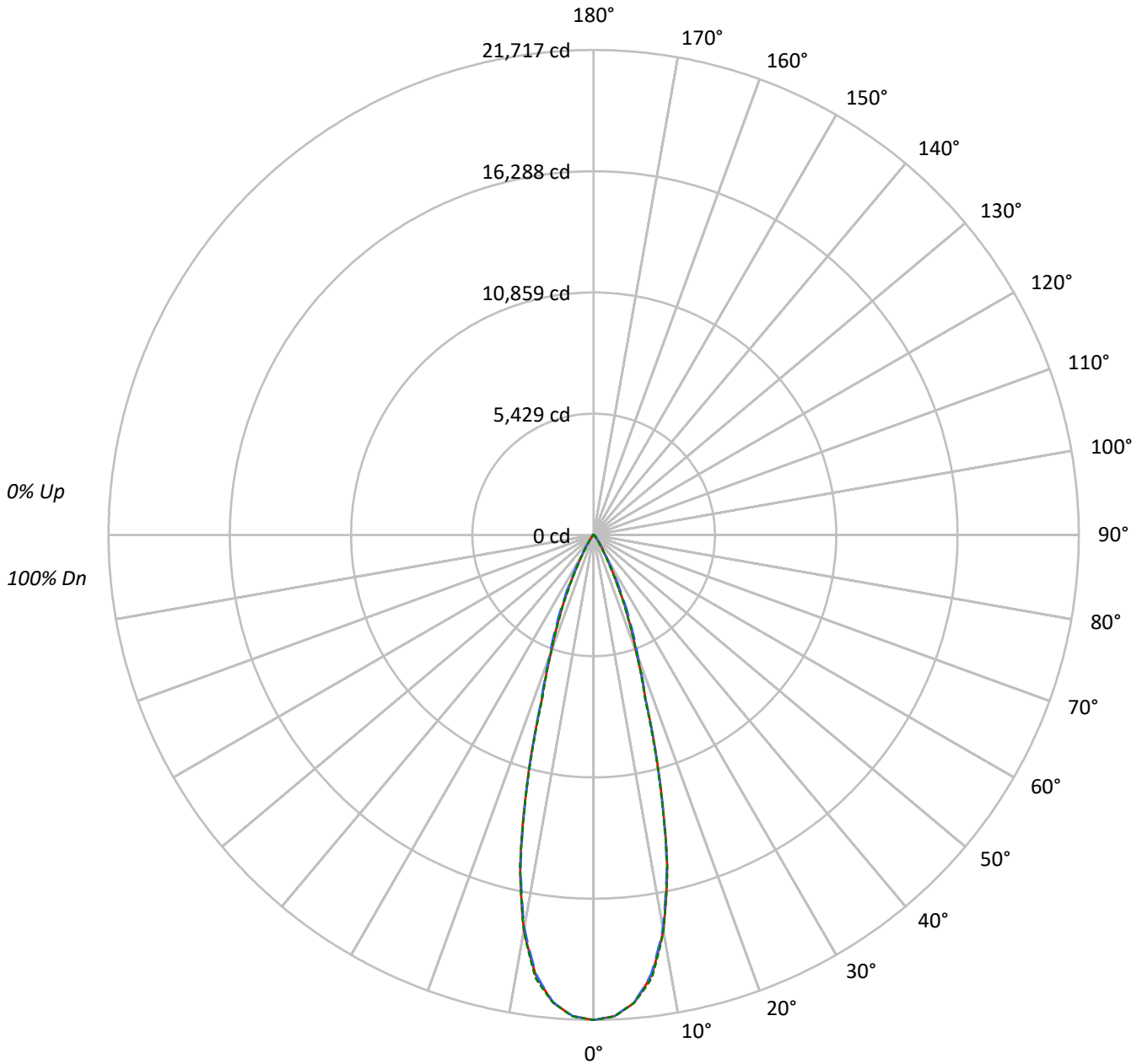
Lumens per Lamp: N/A
Luminaire Lumens: 6753.8 lumens
Efficiency: N/A
Efficacy: 104.9 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

Input Watts (W): 64.4
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°	1662262	1662262	1662262
5°	1614543	1612660	1614627
10°	1398437	1388582	1398111
15°	912410	907513	902949
20°	453701	470725	453090
25°	228539	257718	223860
30°	91505	99707	79723
35°	42441	40647	34069
40°	18325	20344	17256
45°	12925	16042	13044
50°	4442	11682	4692
55°	2562	4844	2709
60°	1791	2128	1791
65°	1159	1159	1159
70°	716	470	716
75°	0	325	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 16042 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1909.6	28.3
10°-20°	3075.5	45.5
20°-30°	1329.0	19.7
30°-40°	302.9	4.5
40°-50°	104.0	1.5
50°-60°	25.4	0.4
60°-70°	6.6	0.1
70°-80°	0.7	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°	6314.2	93.5
0°-40°	6617.1	98.0
0°-60°	6746.5	99.9
0°-90°	6753.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6753.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	21717	21717	21717	21717	21717	
5°	21013	20993	20988	21032	21014	1911
15°	11514	11375	11452	11415	11395	3083
25°	2706	2808	3052	2737	2651	1295
35°	454	464	435	432	365	308
45°	119	148	148	148	120	85
55°	19	20	36	21	20	19
65°	6	6	6	6	6	6
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°	21716.6	21716.6	21716.6	21716.6	21716.6
2.5°	21572.7	21557.8	21566.3	21576.9	21581.2
5°	21012.9	20992.7	20988.4	21032.1	21014.0
7.5°	19883.8	19855.0	19811.3	19910.5	20003.2
10°	17992.3	17960.4	17865.5	17912.4	17988.1
12.5°	15199.9	15096.5	15094.4	15243.6	15223.4
15°	11514.0	11375.4	11452.2	11414.9	11394.6
17.5°	7742.8	7689.5	7791.9	7761.0	7627.7
20°	5569.9	5583.8	5778.9	5680.8	5562.4
22.5°	4064.4	4114.5	4345.9	4093.2	4000.4
25°	2706.0	2808.4	3051.5	2737.0	2650.6
27.5°	1664.4	1711.3	1957.6	1643.0	1596.1
30°	1035.3	1011.8	1128.1	968.1	902.0
32.5°	679.2	649.3	686.6	616.3	563.0
35°	454.2	463.8	435.0	431.8	364.6
37.5°	283.6	326.3	287.9	307.1	234.6
40°	183.4	236.7	203.6	225.0	172.7
42.5°	150.3	182.3	167.4	178.1	153.5
45°	119.4	148.2	148.2	148.2	120.5
47.5°	66.1	99.2	126.9	101.3	70.4
50°	37.3	50.1	98.1	52.2	39.4
52.5°	25.6	28.8	67.2	29.9	26.7
55°	19.2	20.3	36.3	21.3	20.3
57.5°	14.9	16.0	19.2	16.0	14.9
60°	11.7	11.7	13.9	12.8	11.7
62.5°	8.5	8.5	9.6	8.5	8.5
65°	6.4	6.4	6.4	6.4	6.4
67.5°	3.2	4.3	4.3	4.3	4.3
70°	3.2	2.1	2.1	2.1	3.2
72.5°	2.1	1.1	1.1	1.1	1.1
75°	0.0	0.0	1.1	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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