

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: P768748

Luminaire Tested: LD6D60D010-EU6DR3055659035-6LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P768748
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-EU6DR3055659035-6LBCSSQMB
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

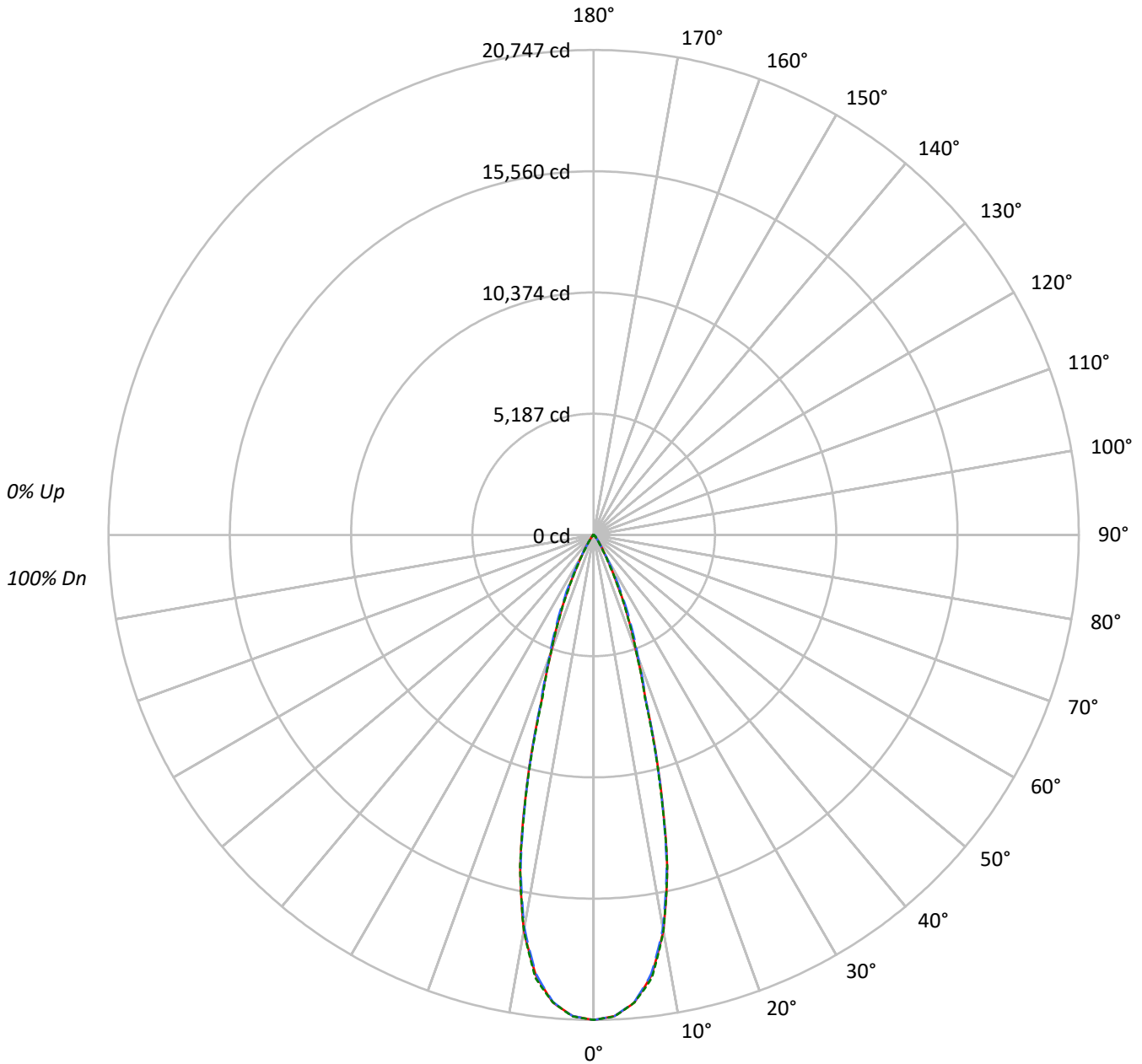
Lumens per Lamp: N/A
Luminaire Lumens: 6452.1 lumens
Efficiency: N/A
Efficacy: 100.2 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

Input Watts (W): 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°	1588023	1588023	1588023
5°	1542432	1540634	1542509
10°	1335978	1326558	1335667
15°	871663	866980	862622
20°	433434	449701	432856
25°	218336	246207	213860
30°	87421	95252	76161
35°	40545	38835	32555
40°	17506	19444	16487
45°	12351	15328	12459
50°	4251	11158	4489
55°	2442	4617	2589
60°	1715	2021	1715
65°	1105	1105	1105
70°	694	448	694
75°	0	296	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 15328 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1824.4	28.3
10°-20°	2938.1	45.5
20°-30°	1269.6	19.7
30°-40°	289.4	4.5
40°-50°	99.4	1.5
50°-60°	24.3	0.4
60°-70°	6.3	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°	6032.1	93.5
0°-40°	6321.5	98.0
0°-60°	6445.2	99.9
0°-90°	6452.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6452.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	20747	20747	20747	20747	20747	
5°	20074	20055	20051	20093	20075	1826
15°	11000	10867	10941	10905	10886	2945
25°	2585	2683	2915	2615	2532	1237
35°	434	443	416	412	348	294
45°	114	142	142	142	115	81
55°	18	19	35	20	19	18
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°	20746.7	20746.7	20746.7	20746.7	20746.7
2.5°	20609.2	20594.9	20603.1	20613.2	20617.3
5°	20074.4	20055.0	20051.0	20092.7	20075.4
7.5°	18995.7	18968.2	18926.4	19021.2	19109.8
10°	17188.7	17158.2	17067.5	17112.3	17184.7
12.5°	14521.0	14422.2	14420.2	14562.8	14543.4
15°	10999.8	10867.4	10940.7	10905.0	10885.7
17.5°	7397.0	7346.1	7443.9	7414.3	7287.0
20°	5321.1	5334.4	5520.8	5427.1	5314.0
22.5°	3882.9	3930.7	4151.8	3910.4	3821.8
25°	2585.2	2683.0	2915.2	2614.7	2532.2
27.5°	1590.0	1634.8	1870.1	1569.6	1524.8
30°	989.1	966.6	1077.7	924.9	861.7
32.5°	648.8	620.3	656.0	588.7	537.8
35°	433.9	443.1	415.6	412.5	348.4
37.5°	270.9	311.7	275.0	293.4	224.1
40°	175.2	226.1	194.6	214.9	165.0
42.5°	143.6	174.2	159.9	170.1	146.7
45°	114.1	141.6	141.6	141.6	115.1
47.5°	63.2	94.7	121.2	96.8	67.2
50°	35.7	47.9	93.7	49.9	37.7
52.5°	24.4	27.5	64.2	28.5	25.5
55°	18.3	19.4	34.6	20.4	19.4
57.5°	14.3	15.3	18.3	15.3	14.3
60°	11.2	11.2	13.2	12.2	11.2
62.5°	8.1	8.1	9.2	8.1	8.1
65°	6.1	6.1	6.1	6.1	6.1
67.5°	3.1	4.1	4.1	4.1	4.1
70°	3.1	2.0	2.0	2.0	3.1
72.5°	2.0	1.0	1.0	1.0	1.0
75°	0.0	0.0	1.0	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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