

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: P768735

Luminaire Tested: LD6D60D010-EU6DR3055659030-6LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P768735
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-EU6DR3055659030-6LBCSSQMB
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

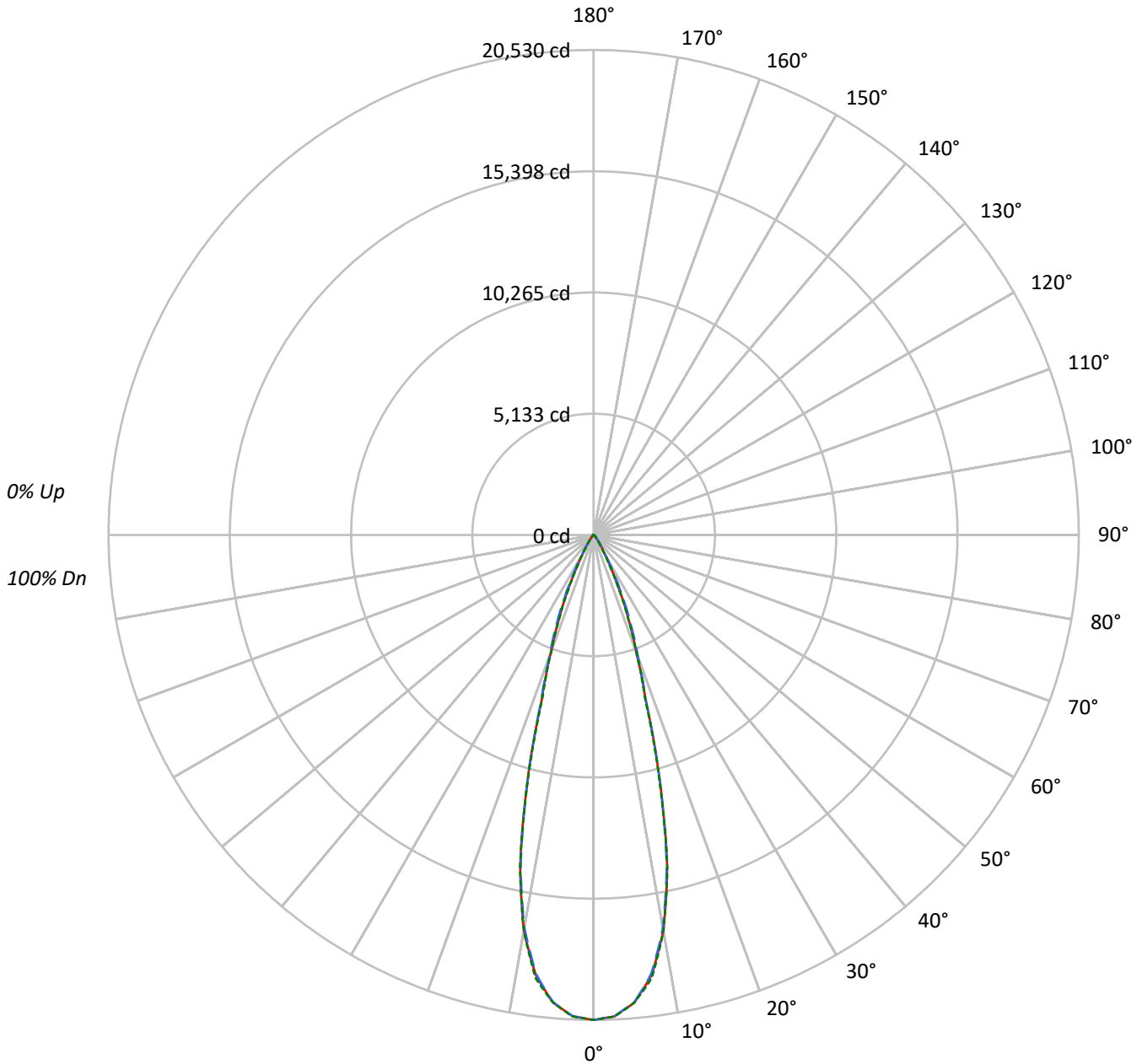
Lumens per Lamp: N/A
Luminaire Lumens: 6384.8 lumens
Efficiency: N/A
Efficacy: 99.1 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

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°	1571467	1571467	1571467
5°	1526358	1524576	1526435
10°	1322058	1312731	1321739
15°	862574	857946	853627
20°	428922	445009	428343
25°	216056	243640	211631
30°	86502	94253	75366
35°	40124	38433	32210
40°	17326	19235	16317
45°	12221	15166	12330
50°	4204	11039	4442
55°	2415	4577	2562
60°	1699	2005	1699
65°	1087	1087	1087
70°	671	448	671
75°	0	296	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 15166 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1805.3	28.3
10°-20°	2907.5	45.5
20°-30°	1256.4	19.7
30°-40°	286.4	4.5
40°-50°	98.3	1.5
50°-60°	24.0	0.4
60°-70°	6.2	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°	5969.3	93.5
0°-40°	6255.6	98.0
0°-60°	6378.0	99.9
0°-90°	6384.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6384.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	20530	20530	20530	20530	20530	
5°	19865	19846	19842	19883	19866	1807
15°	10885	10754	10827	10791	10772	2915
25°	2558	2655	2885	2588	2506	1225
35°	429	438	411	408	345	291
45°	113	140	140	140	114	80
55°	18	19	34	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°	20530.4	20530.4	20530.4	20530.4	20530.4
2.5°	20394.3	20380.2	20388.3	20398.4	20402.4
5°	19865.2	19846.0	19842.0	19883.3	19866.2
7.5°	18797.7	18770.5	18729.2	18822.9	18910.6
10°	17009.6	16979.3	16889.6	16934.0	17005.5
12.5°	14369.7	14271.9	14269.9	14411.0	14391.9
15°	10885.1	10754.1	10826.7	10791.4	10772.2
17.5°	7319.9	7269.5	7366.3	7337.0	7211.0
20°	5265.7	5278.8	5463.2	5370.5	5258.6
22.5°	3842.4	3889.8	4108.5	3869.6	3781.9
25°	2558.2	2655.0	2884.8	2587.5	2505.8
27.5°	1573.4	1617.8	1850.6	1553.3	1508.9
30°	978.7	956.6	1066.4	915.2	852.7
32.5°	642.1	613.9	649.1	582.6	532.2
35°	429.4	438.5	411.3	408.2	344.7
37.5°	268.1	308.4	272.2	290.3	221.8
40°	173.4	223.8	192.5	212.7	163.3
42.5°	142.1	172.4	158.3	168.3	145.1
45°	112.9	140.1	140.1	140.1	113.9
47.5°	62.5	93.7	119.9	95.8	66.5
50°	35.3	47.4	92.7	49.4	37.3
52.5°	24.2	27.2	63.5	28.2	25.2
55°	18.1	19.2	34.3	20.2	19.2
57.5°	14.1	15.1	18.1	15.1	14.1
60°	11.1	11.1	13.1	12.1	11.1
62.5°	8.1	8.1	9.1	8.1	8.1
65°	6.0	6.0	6.0	6.0	6.0
67.5°	3.0	4.0	4.0	4.0	4.0
70°	3.0	2.0	2.0	2.0	3.0
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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