

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: P769489

Luminaire Tested: LD6D65D010-EU6DR3055659024-6LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P769489
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: LD6D65D010-EU6DR3055659024-6LBCSSQMB
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

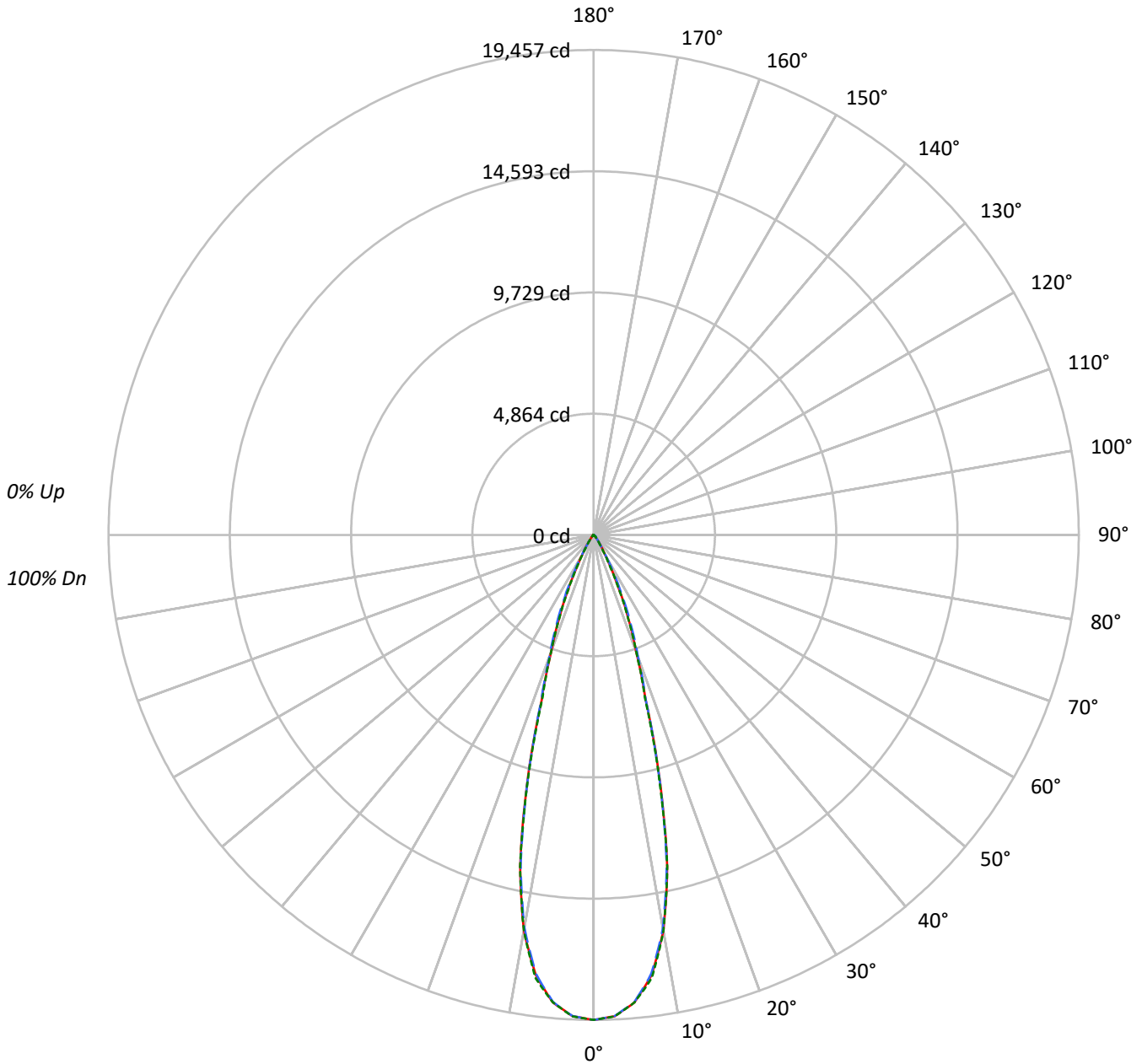
Lumens per Lamp: N/A
Luminaire Lumens: 6050.9 lumens
Efficiency: N/A
Efficacy: 83.1 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

Input Watts (W): 72.8
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°	1489290	1489290	1489290
5°	1446533	1444843	1446603
10°	1252914	1244085	1252619
15°	817469	813078	808990
20°	406489	421737	405943
25°	204764	230904	200567
30°	81986	89330	71433
35°	38022	36414	30528
40°	16417	18235	15468
45°	11583	14375	11680
50°	3977	10467	4204
55°	2295	4337	2415
60°	1607	1898	1607
65°	1032	1032	1032
70°	649	425	649
75°	0	296	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 14375 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1710.9	28.3
10°-20°	2755.5	45.5
20°-30°	1190.7	19.7
30°-40°	271.4	4.5
40°-50°	93.2	1.5
50°-60°	22.8	0.4
60°-70°	5.9	0.1
70°-80°	0.6	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°	5657.1	93.5
0°-40°	5928.5	98.0
0°-60°	6044.4	99.9
0°-90°	6050.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6050.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	19457	19457	19457	19457	19457	
5°	18826	18808	18804	18844	18827	1712
15°	10316	10192	10260	10227	10209	2762
25°	2424	2516	2734	2452	2375	1161
35°	407	416	390	387	327	276
45°	107	133	133	133	108	76
55°	17	18	32	19	18	17
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°	19456.8	19456.8	19456.8	19456.8	19456.8
2.5°	19327.8	19314.4	19322.1	19331.6	19335.4
5°	18826.3	18808.1	18804.3	18843.5	18827.2
7.5°	17814.7	17788.9	17749.7	17838.5	17921.7
10°	16120.0	16091.4	16006.4	16048.4	16116.2
12.5°	13618.2	13525.5	13523.6	13657.4	13639.2
15°	10315.9	10191.7	10260.5	10227.0	10208.9
17.5°	6937.1	6889.3	6981.0	6953.3	6833.9
20°	4990.3	5002.7	5177.5	5089.6	4983.6
22.5°	3641.5	3686.4	3893.6	3667.2	3584.1
25°	2424.5	2516.2	2734.0	2452.2	2374.8
27.5°	1491.2	1533.2	1753.9	1472.1	1430.0
30°	927.6	906.5	1010.7	867.4	808.2
32.5°	608.5	581.8	615.2	552.1	504.4
35°	406.9	415.5	389.7	386.9	326.7
37.5°	254.1	292.3	257.9	275.1	210.2
40°	164.3	212.1	182.5	201.6	154.8
42.5°	134.7	163.3	150.0	159.5	137.6
45°	107.0	132.8	132.8	132.8	107.9
47.5°	59.2	88.8	113.7	90.7	63.0
50°	33.4	44.9	87.9	46.8	35.3
52.5°	22.9	25.8	60.2	26.7	23.9
55°	17.2	18.1	32.5	19.1	18.1
57.5°	13.4	14.3	17.2	14.3	13.4
60°	10.5	10.5	12.4	11.5	10.5
62.5°	7.6	7.6	8.6	7.6	7.6
65°	5.7	5.7	5.7	5.7	5.7
67.5°	2.9	3.8	3.8	3.8	3.8
70°	2.9	1.9	1.9	1.9	2.9
72.5°	1.9	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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