

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: P767940

Luminaire Tested: LD6D55D010-EU6DR3055659024-6LBSQW1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P767940
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: LD6D55D010-EU6DR3055659024-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4137.4 lumens
Efficiency: N/A
Efficacy: 71.1 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

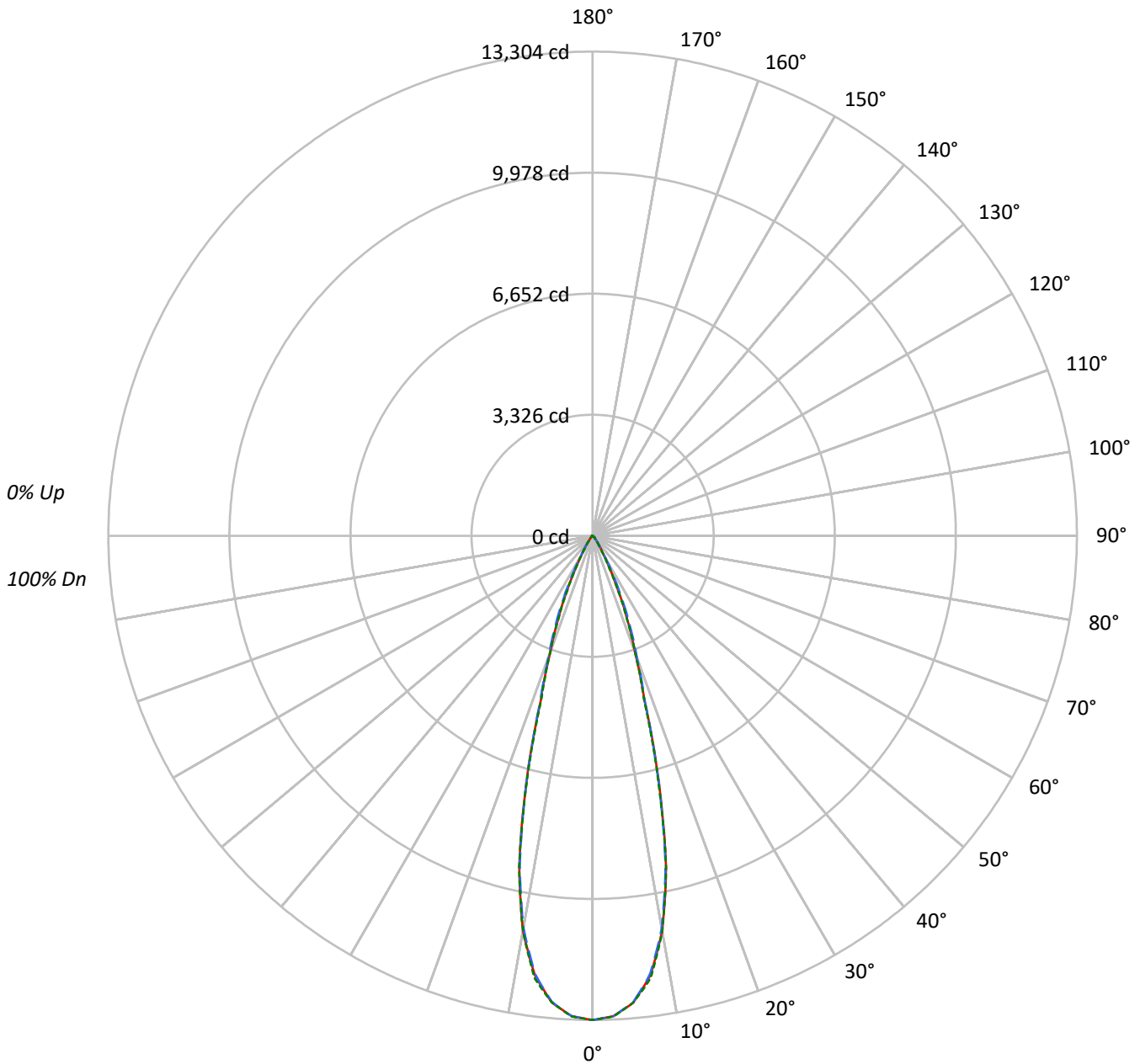
Input Watts (W): 58.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	1018310	1018310	1018310
5°	989076	987924	989130
10°	856692	850653	856490
15°	558952	555949	553152
20°	277935	288370	277569
25°	140003	157883	137140
30°	56054	61083	48841
35°	25996	24902	20875
40°	11221	12470	10572
45°	7924	9829	7989
50°	2727	7157	2882
55°	1575	2963	1655
60°	1102	1301	1102
65°	706	706	706
70°	448	291	448
75°	0	207	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 9829 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1169.9	28.3
10°-20°	1884.1	45.5
20°-30°	814.2	19.7
30°-40°	185.6	4.5
40°-50°	63.7	1.5
50°-60°	15.6	0.4
60°-70°	4.0	0.1
70°-80°	0.4	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°	3868.1	93.5
0°-40°	4053.6	98.0
0°-60°	4132.9	99.9
0°-90°	4137.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4137.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	13304	13304	13304	13304	13304	
5°	12873	12860	12858	12884	12873	1171
15°	7054	6969	7016	6993	6980	1889
25°	1658	1720	1869	1677	1624	793
35°	278	284	266	264	223	189
45°	73	91	91	91	74	52
55°	12	12	22	13	12	11
65°	4	4	4	4	4	4
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°	13303.7	13303.7	13303.7	13303.7	13303.7
2.5°	13215.5	13206.4	13211.6	13218.1	13220.8
5°	12872.6	12860.2	12857.6	12884.4	12873.3
7.5°	12180.9	12163.3	12136.5	12197.2	12254.1
10°	11022.2	11002.6	10944.5	10973.2	11019.6
12.5°	9311.6	9248.2	9246.9	9338.3	9325.9
15°	7053.6	6968.6	7015.7	6992.8	6980.4
17.5°	4743.3	4710.6	4773.3	4754.4	4672.8
20°	3412.1	3420.6	3540.2	3480.1	3407.6
22.5°	2489.9	2520.6	2662.3	2507.5	2450.7
25°	1657.7	1720.4	1869.4	1676.7	1623.8
27.5°	1019.6	1048.3	1199.2	1006.5	977.8
30°	634.2	619.9	691.1	593.1	552.6
32.5°	416.1	397.8	420.6	377.5	344.9
35°	278.2	284.1	266.5	264.5	223.4
37.5°	173.7	199.9	176.4	188.1	143.7
40°	112.3	145.0	124.8	137.8	105.8
42.5°	92.1	111.7	102.5	109.1	94.1
45°	73.2	90.8	90.8	90.8	73.8
47.5°	40.5	60.7	77.7	62.1	43.1
50°	22.9	30.7	60.1	32.0	24.2
52.5°	15.7	17.6	41.1	18.3	16.3
55°	11.8	12.4	22.2	13.1	12.4
57.5°	9.1	9.8	11.8	9.8	9.1
60°	7.2	7.2	8.5	7.8	7.2
62.5°	5.2	5.2	5.9	5.2	5.2
65°	3.9	3.9	3.9	3.9	3.9
67.5°	2.0	2.6	2.6	2.6	2.6
70°	2.0	1.3	1.3	1.3	2.0
72.5°	1.3	0.7	0.7	0.7	0.7
75°	0.0	0.0	0.7	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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