

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: P769504

Luminaire Tested: LD6D65D010-EU6DR3055659027-6LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P769504
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-EU6DR3055659027-6LBCSSQMW
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

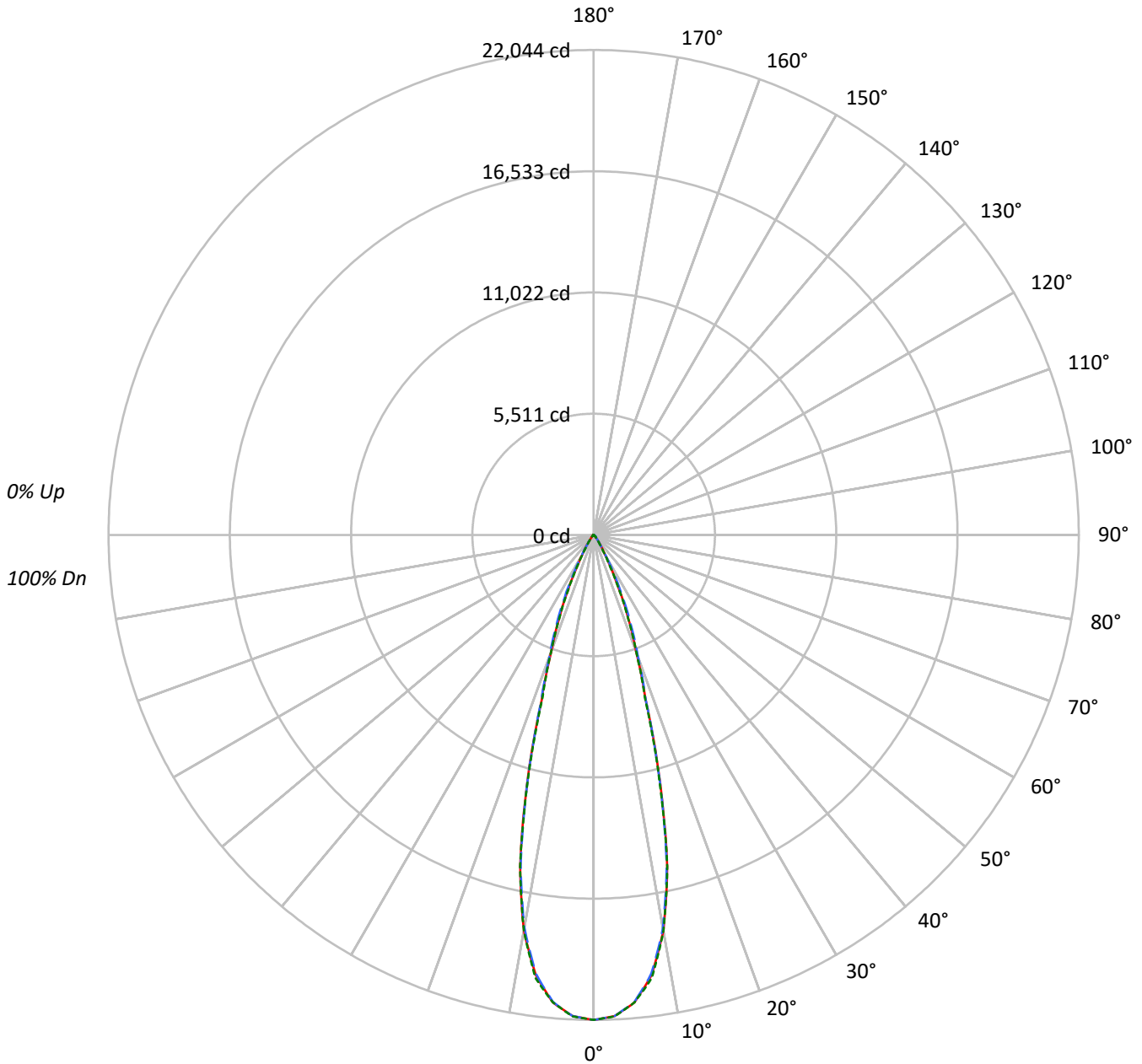
Lumens per Lamp: N/A
Luminaire Lumens: 6855.5 lumens
Efficiency: N/A
Efficacy: 94.2 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	1687300	1687300	1687300
5°	1638861	1636948	1638946
10°	1419500	1409490	1419166
15°	926151	921183	916547
20°	460535	477811	459916
25°	231985	261603	227230
30°	92883	101200	80925
35°	43077	41264	34583
40°	18605	20654	17516
45°	13120	16281	13239
50°	4513	11860	4763
55°	2602	4911	2749
60°	1822	2159	1822
65°	1177	1177	1177
70°	716	492	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: 16281 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1938.4	28.3
10°-20°	3121.8	45.5
20°-30°	1349.0	19.7
30°-40°	307.5	4.5
40°-50°	105.6	1.5
50°-60°	25.8	0.4
60°-70°	6.7	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°	6409.3	93.5
0°-40°	6716.7	98.0
0°-60°	6848.1	99.9
0°-90°	6855.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6855.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	22044	22044	22044	22044	22044	
5°	21329	21309	21304	21349	21330	1940
15°	11687	11547	11625	11587	11566	3129
25°	2747	2851	3098	2778	2690	1315
35°	461	471	442	438	370	313
45°	121	150	150	150	122	86
55°	20	21	37	22	21	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°	22043.7	22043.7	22043.7	22043.7	22043.7
2.5°	21897.6	21882.4	21891.1	21901.9	21906.3
5°	21329.4	21308.8	21304.5	21348.9	21330.5
7.5°	20183.3	20154.1	20109.7	20210.3	20304.5
10°	18263.3	18230.9	18134.5	18182.2	18259.0
12.5°	15428.9	15323.9	15321.7	15473.2	15452.7
15°	11687.4	11546.8	11624.7	11586.8	11566.2
17.5°	7859.5	7805.3	7909.2	7877.9	7742.6
20°	5653.8	5667.9	5865.9	5766.3	5646.2
22.5°	4125.6	4176.5	4411.3	4154.8	4060.7
25°	2746.8	2850.7	3097.5	2778.2	2690.5
27.5°	1689.4	1737.0	1987.1	1667.8	1620.2
30°	1050.9	1027.1	1145.0	982.7	915.6
32.5°	689.4	659.1	697.0	625.6	571.4
35°	461.0	470.8	441.6	438.3	370.1
37.5°	287.9	331.2	292.2	311.7	238.1
40°	186.2	240.3	206.7	228.4	175.3
42.5°	152.6	185.1	169.9	180.7	155.8
45°	121.2	150.4	150.4	150.4	122.3
47.5°	67.1	100.7	128.8	102.8	71.4
50°	37.9	50.9	99.6	53.0	40.0
52.5°	26.0	29.2	68.2	30.3	27.1
55°	19.5	20.6	36.8	21.6	20.6
57.5°	15.2	16.2	19.5	16.2	15.2
60°	11.9	11.9	14.1	13.0	11.9
62.5°	8.7	8.7	9.7	8.7	8.7
65°	6.5	6.5	6.5	6.5	6.5
67.5°	3.2	4.3	4.3	4.3	4.3
70°	3.2	2.2	2.2	2.2	3.2
72.5°	2.2	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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