

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: P769384

Luminaire Tested: LD6D60D010-EU6DR7055659035-6LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P769384
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D60D010-EU6DR7055659035-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6008.3 lumens
Efficiency: N/A
Efficacy: 93.3 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

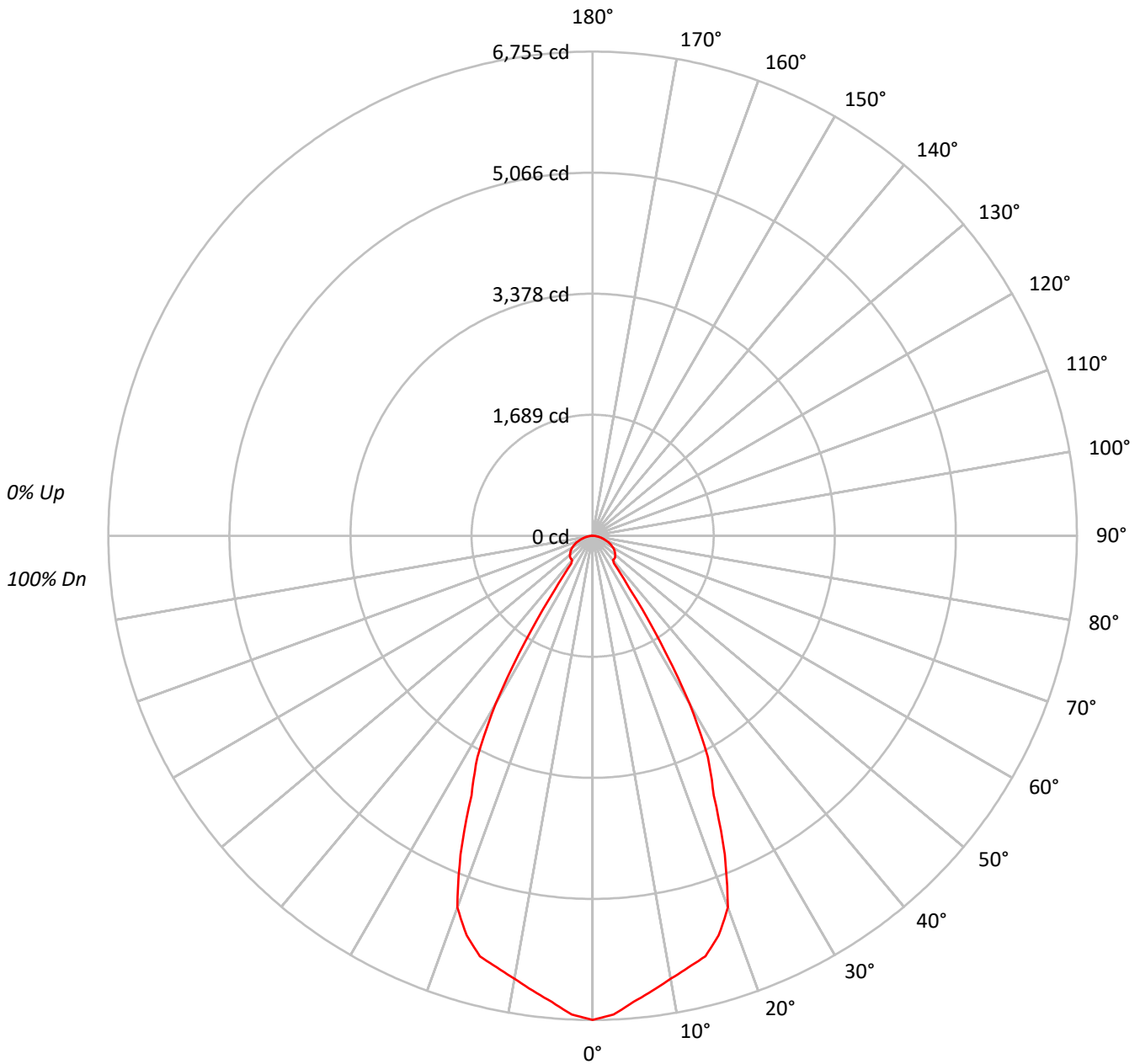
Input Watts (W): 64.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	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	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91																											
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83																											
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76																											
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70																											
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65																											
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61																											
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57																											
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53																											
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50																											
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48																											

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	738067
5°	716132
10°	696166
15°	687038
20°	641547
25°	481958
30°	340704
35°	120685
40°	63456
45°	67586
50°	69998
55°	71301
60°	71741
65°	70243
70°	66287
75°	61423
80°	54489
85°	44253

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 71763 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	615.9	10.3
10°-20°	1689.3	28.1
20°-30°	1860.5	31.0
30°-40°	710.9	11.8
40°-50°	335.6	5.6
50°-60°	333.7	5.6
60°-70°	267.2	4.4
70°-80°	153.5	2.6
80°-90°	41.8	0.7
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°	4165.6	69.3
0°-40°	4876.5	81.2
0°-60°	5545.8	92.3
0°-90°	6008.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6008.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6755	
5°	6529	616
15°	6074	1689
25°	3998	1861
35°	905	711
45°	437	336
55°	374	334
65°	272	267
75°	146	154
85°	35	42
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6755.1
2.5°	6684.5
5°	6529.4
7.5°	6400.0
10°	6274.8
12.5°	6169.0
15°	6073.8
17.5°	5843.8
20°	5517.6
22.5°	4813.9
25°	3997.8
27.5°	3480.2
30°	2700.5
32.5°	1744.4
35°	904.8
37.5°	488.8
40°	444.9
42.5°	441.7
45°	437.4
47.5°	427.8
50°	411.8
52.5°	393.6
55°	374.3
57.5°	352.9
60°	328.3
62.5°	300.5
65°	271.7
67.5°	239.6
70°	207.5
72.5°	175.4
75°	145.5
77.5°	114.4
80°	86.6
82.5°	61.0
85°	35.3
87.5°	13.9
90°	0.0

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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