

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: P769397

Luminaire Tested: LD6D60D010-EU6DR7055659040-6LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P769397
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-EU6DR7055659040-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6289.2 lumens
Efficiency: N/A
Efficacy: 97.7 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

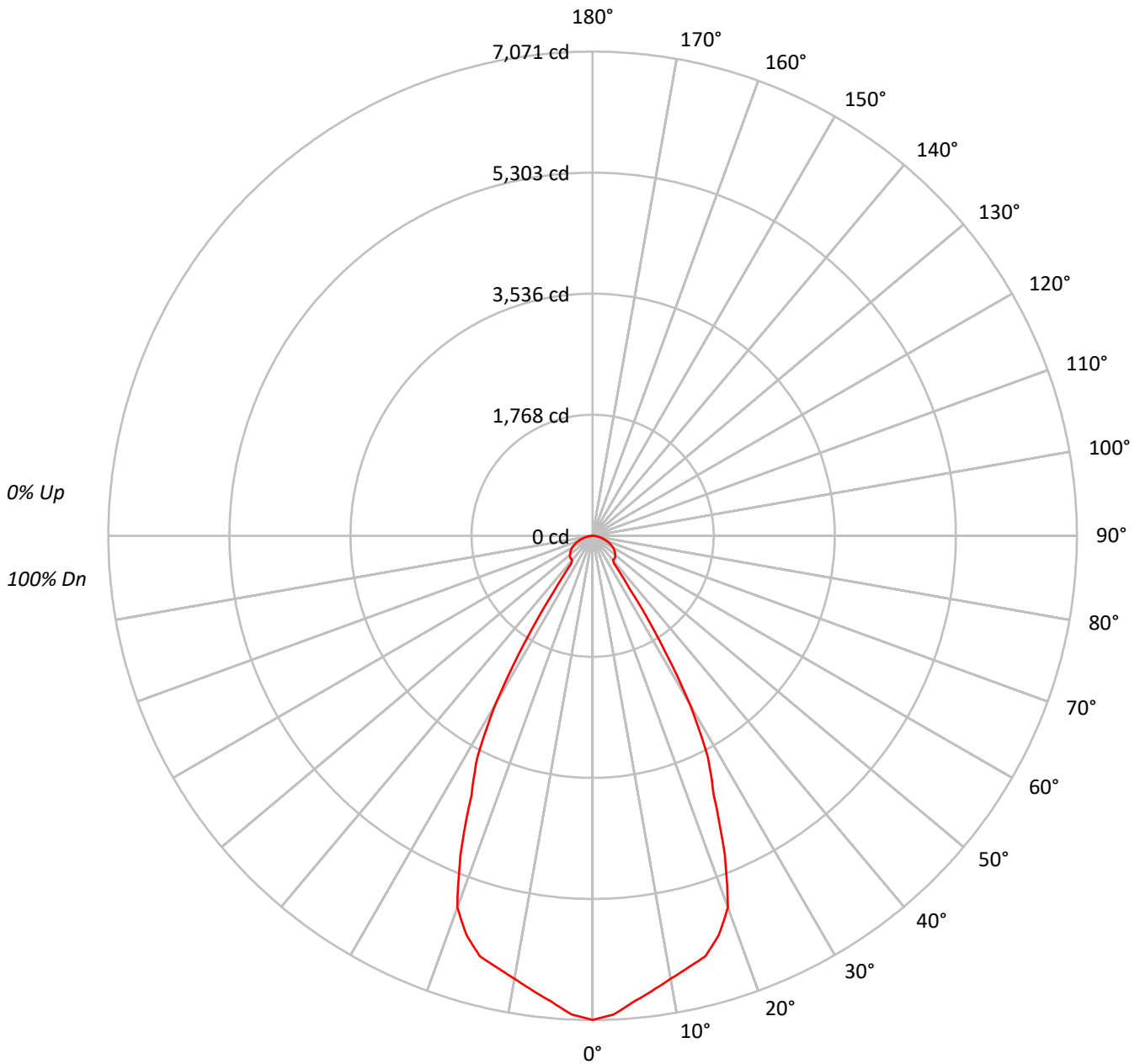
Input Watts (W): 64.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	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°	772572
5°	749617
10°	728717
15°	719152
20°	671546
25°	504502
30°	356639
35°	126327
40°	66423
45°	70754
50°	73261
55°	74634
60°	75106
65°	73527
70°	69386
75°	64294
80°	57069
85°	46259

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 75118 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	644.7	10.3
10°-20°	1768.3	28.1
20°-30°	1947.5	31.0
30°-40°	744.1	11.8
40°-50°	351.3	5.6
50°-60°	349.3	5.6
60°-70°	279.7	4.4
70°-80°	160.7	2.6
80°-90°	43.7	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°	4360.4	69.3
0°-40°	5104.5	81.2
0°-60°	5805.1	92.3
0°-90°	6289.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6289.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7071	
5°	6835	645
15°	6358	1768
25°	4185	1947
35°	947	744
45°	458	351
55°	392	349
65°	284	280
75°	152	161
85°	37	44
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7070.9
2.5°	6997.0
5°	6834.7
7.5°	6699.2
10°	6568.2
12.5°	6457.4
15°	6357.7
17.5°	6117.0
20°	5775.6
22.5°	5038.9
25°	4184.8
27.5°	3642.9
30°	2826.8
32.5°	1825.9
35°	947.1
37.5°	511.6
40°	465.7
42.5°	462.4
45°	457.9
47.5°	447.8
50°	431.0
52.5°	412.0
55°	391.8
57.5°	369.4
60°	343.7
62.5°	314.6
65°	284.4
67.5°	250.8
70°	217.2
72.5°	183.6
75°	152.3
77.5°	119.8
80°	90.7
82.5°	63.8
85°	36.9
87.5°	14.6
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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