

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: P769214

Luminaire Tested: LD6D60D010-EU6DR6055659030-6LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P769214
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D60D010-EU6DR6055659030-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5729.6 lumens
Efficiency: N/A
Efficacy: 89.0 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

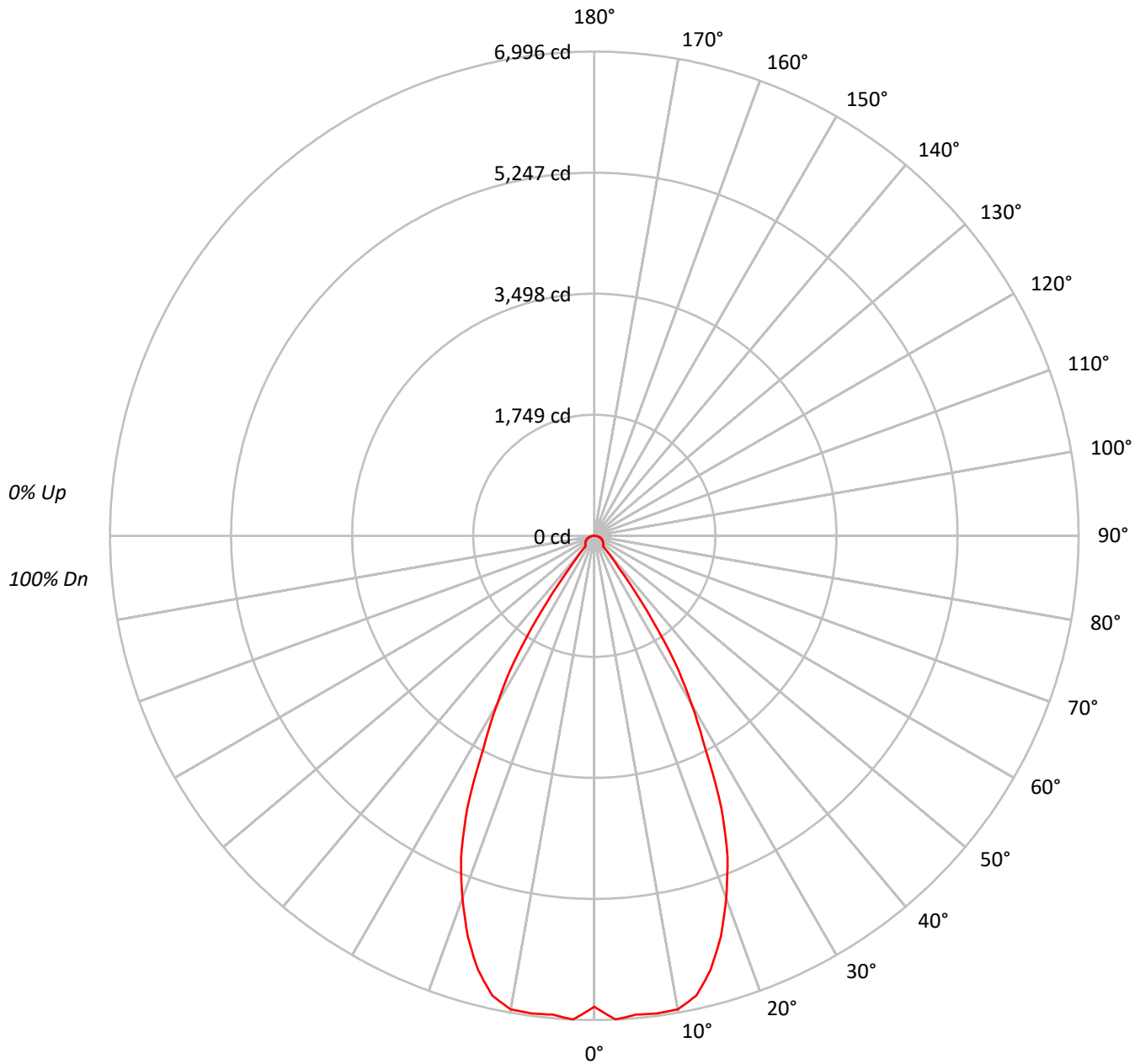
Input Watts (W): 64.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20							
RC	80				70				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	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93						
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86						
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80						
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75						
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70						
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66						
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62						
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59						
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55						
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53						

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	743476
5°	761758
10°	770966
15°	734445
20°	647558
25°	523755
30°	354280
35°	177532
40°	28797
45°	28184
50°	28744
55°	29183
60°	30003
65°	30688
70°	31403
75°	31788
80°	30642
85°	25574

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 31788 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	663.8	11.6
10°-20°	1796.0	31.3
20°-30°	1932.3	33.7
30°-40°	839.9	14.7
40°-50°	141.1	2.5
50°-60°	137.2	2.4
60°-70°	117.3	2.0
70°-80°	78.5	1.4
80°-90°	23.5	0.4
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°	4392.1	76.7
0°-40°	5232.0	91.3
0°-60°	5510.3	96.2
0°-90°	5729.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5729.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6805	
5°	6945	664
15°	6493	1796
25°	4344	1932
35°	1331	840
45°	182	141
55°	153	137
65°	119	117
75°	75	79
85°	20	23
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6804.6
2.5°	6995.9
5°	6945.4
7.5°	6961.4
10°	6949.0
12.5°	6805.5
15°	6492.9
17.5°	6073.1
20°	5569.3
22.5°	5030.0
25°	4344.5
27.5°	3474.9
30°	2808.1
32.5°	2164.3
35°	1331.0
37.5°	569.4
40°	201.9
42.5°	186.0
45°	182.4
47.5°	176.2
50°	169.1
52.5°	161.2
55°	153.2
57.5°	145.2
60°	137.3
62.5°	128.4
65°	118.7
67.5°	108.9
70°	98.3
72.5°	86.8
75°	75.3
77.5°	62.0
80°	48.7
82.5°	34.5
85°	20.4
87.5°	7.1
90°	0.0



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— 0°-180°







(END OF REPORT)