

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: P769228

Luminaire Tested: LD6D60D010-EU6DR6055659035-6LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P769228
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-EU6DR6055659035-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6522.2 lumens
Efficiency: N/A
Efficacy: 101.3 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

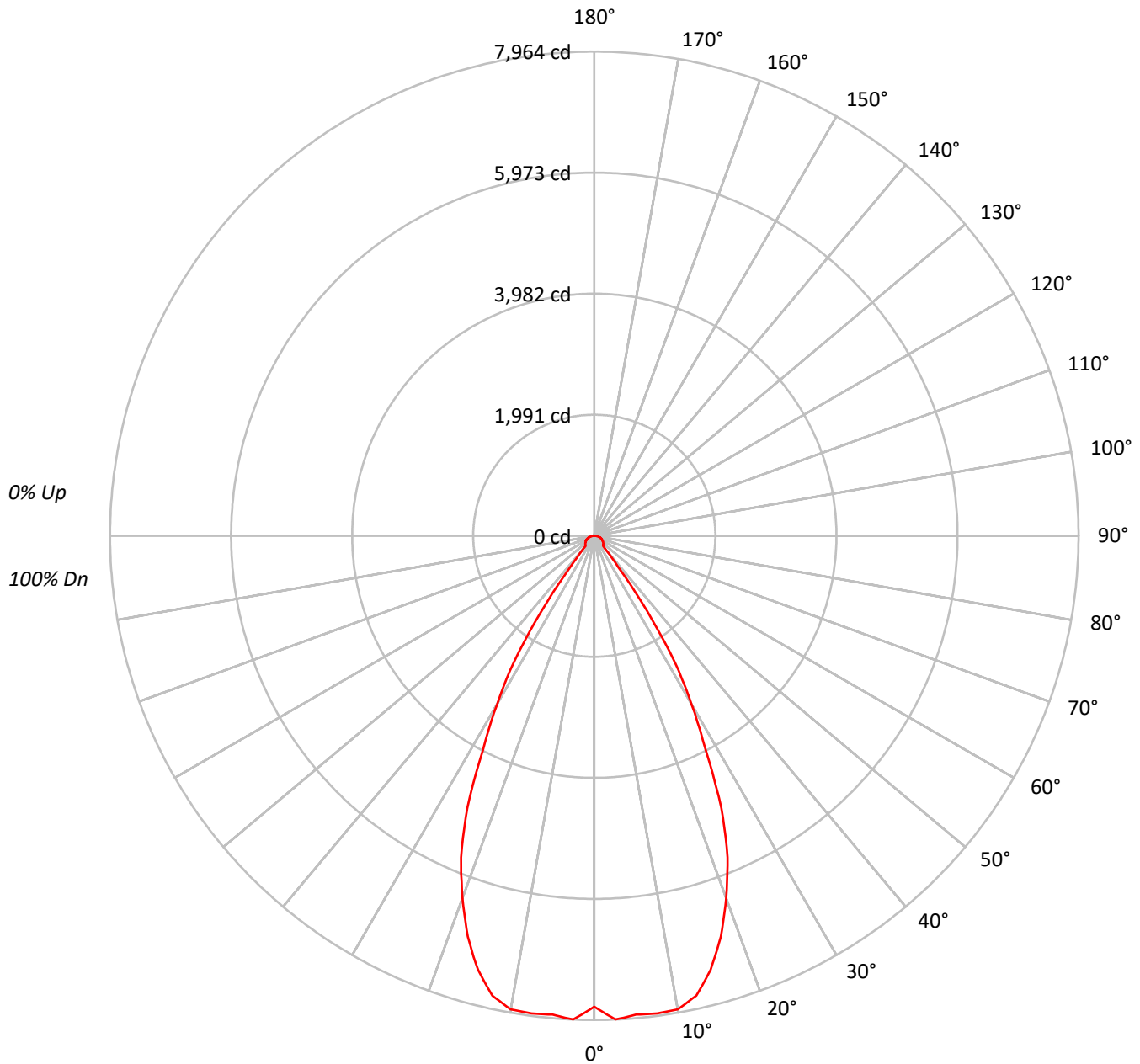
Input Watts (W): 64.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	846323
5°	867137
10°	877607
15°	836045
20°	737135
25°	596209
30°	403294
35°	202088
40°	32776
45°	32093
50°	32721
55°	33222
60°	34133
65°	34928
70°	35747
75°	36178
80°	34858
85°	29084

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 36178 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	755.6	11.6
10°-20°	2044.4	31.3
20°-30°	2199.6	33.7
30°-40°	956.1	14.7
40°-50°	160.6	2.5
50°-60°	156.1	2.4
60°-70°	133.6	2.0
70°-80°	89.4	1.4
80°-90°	26.7	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°	4999.7	76.7
0°-40°	5955.8	91.3
0°-60°	6272.5	96.2
0°-90°	6522.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6522.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7746	
5°	7906	756
15°	7391	2044
25°	4946	2200
35°	1515	956
45°	208	161
55°	174	156
65°	135	134
75°	86	89
85°	23	27
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7745.9
2.5°	7963.7
5°	7906.2
7.5°	7924.4
10°	7910.2
12.5°	7746.9
15°	7391.1
17.5°	6913.3
20°	6339.7
22.5°	5725.8
25°	4945.5
27.5°	3955.6
30°	3196.6
32.5°	2463.7
35°	1515.1
37.5°	648.2
40°	229.8
42.5°	211.7
45°	207.7
47.5°	200.6
50°	192.5
52.5°	183.5
55°	174.4
57.5°	165.3
60°	156.2
62.5°	146.2
65°	135.1
67.5°	124.0
70°	111.9
72.5°	98.8
75°	85.7
77.5°	70.6
80°	55.4
82.5°	39.3
85°	23.2
87.5°	8.1
90°	0.0



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— 0°-180°







(END OF REPORT)