

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: P769371

Luminaire Tested: LD6D60D010-EU6DR7055659030-6LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P769371
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-EU6DR7055659030-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5945.7 lumens
Efficiency: N/A
Efficacy: 92.3 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

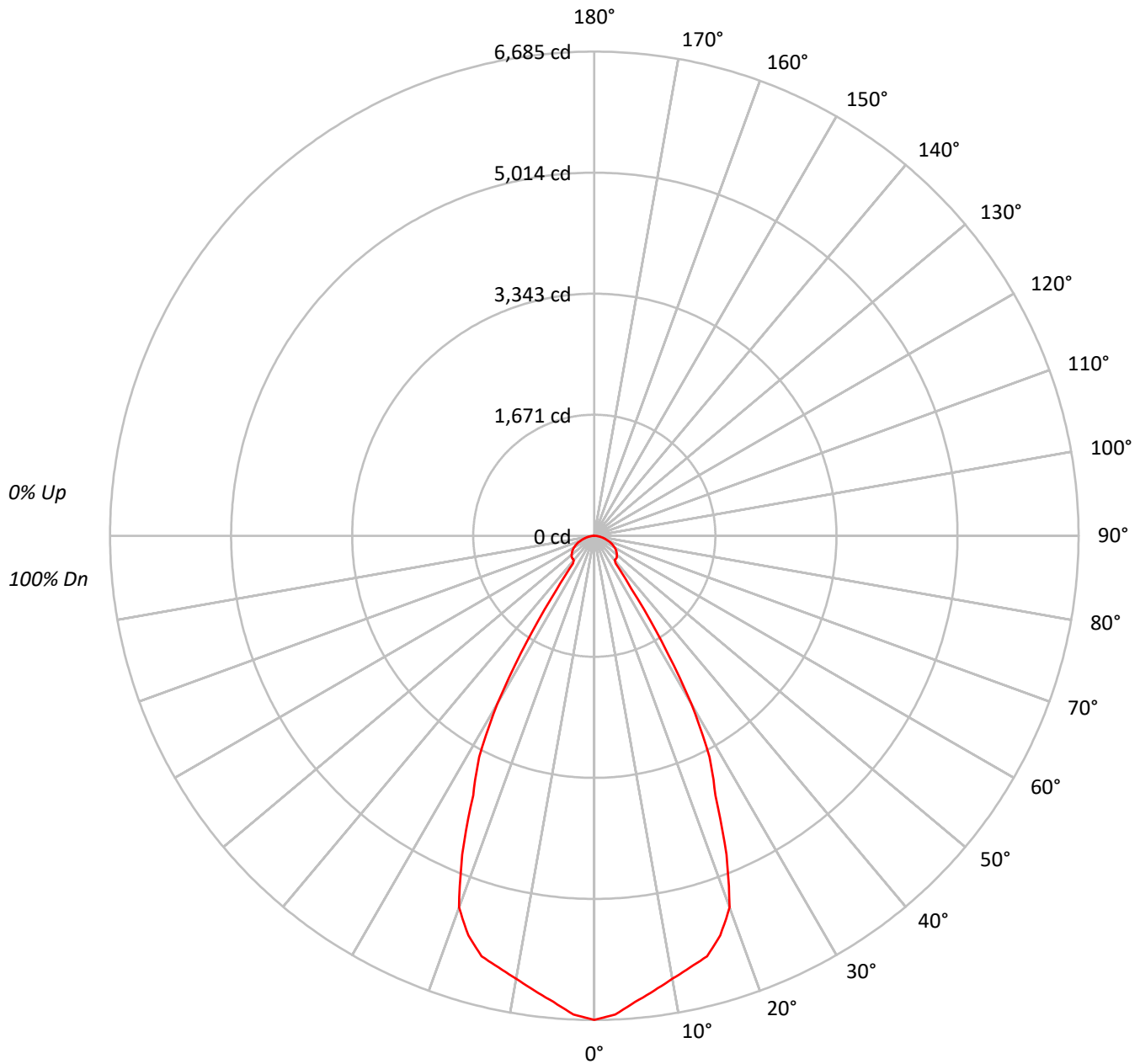
Input Watts (W): 64.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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	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°	730364
5°	708663
10°	688910
15°	679878
20°	634861
25°	476943
30°	337159
35°	119431
40°	62800
45°	66891
50°	69267
55°	70558
60°	70998
65°	69494
70°	65585
75°	60748
80°	53923
85°	43752

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 71031 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	609.4	10.3
10°-20°	1671.7	28.1
20°-30°	1841.1	31.0
30°-40°	703.5	11.8
40°-50°	332.1	5.6
50°-60°	330.2	5.6
60°-70°	264.4	4.4
70°-80°	151.9	2.6
80°-90°	41.3	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°	4122.2	69.3
0°-40°	4825.7	81.2
0°-60°	5488.1	92.3
0°-90°	5945.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5945.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6685	
5°	6461	609
15°	6010	1672
25°	3956	1841
35°	895	703
45°	433	332
55°	370	330
65°	269	264
75°	144	152
85°	35	41
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6684.6
2.5°	6614.8
5°	6461.3
7.5°	6333.3
10°	6209.4
12.5°	6104.7
15°	6010.5
17.5°	5782.9
20°	5460.1
22.5°	4763.7
25°	3956.2
27.5°	3443.9
30°	2672.4
32.5°	1726.2
35°	895.4
37.5°	483.7
40°	440.3
42.5°	437.1
45°	432.9
47.5°	423.3
50°	407.5
52.5°	389.5
55°	370.4
57.5°	349.3
60°	324.9
62.5°	297.4
65°	268.8
67.5°	237.1
70°	205.3
72.5°	173.6
75°	143.9
77.5°	113.2
80°	85.7
82.5°	60.3
85°	34.9
87.5°	13.8
90°	0.0



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— 0°-180°







(END OF REPORT)