

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: P769281

Luminaire Tested: LD6D60D010-EU6DR6555659030-6LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P769281
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D60D010-EU6DR6555659030-6LBCSSQMB
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6300.4 lumens
Efficiency: N/A
Efficacy: 97.8 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' x H: 0')
CIE Type: Direct

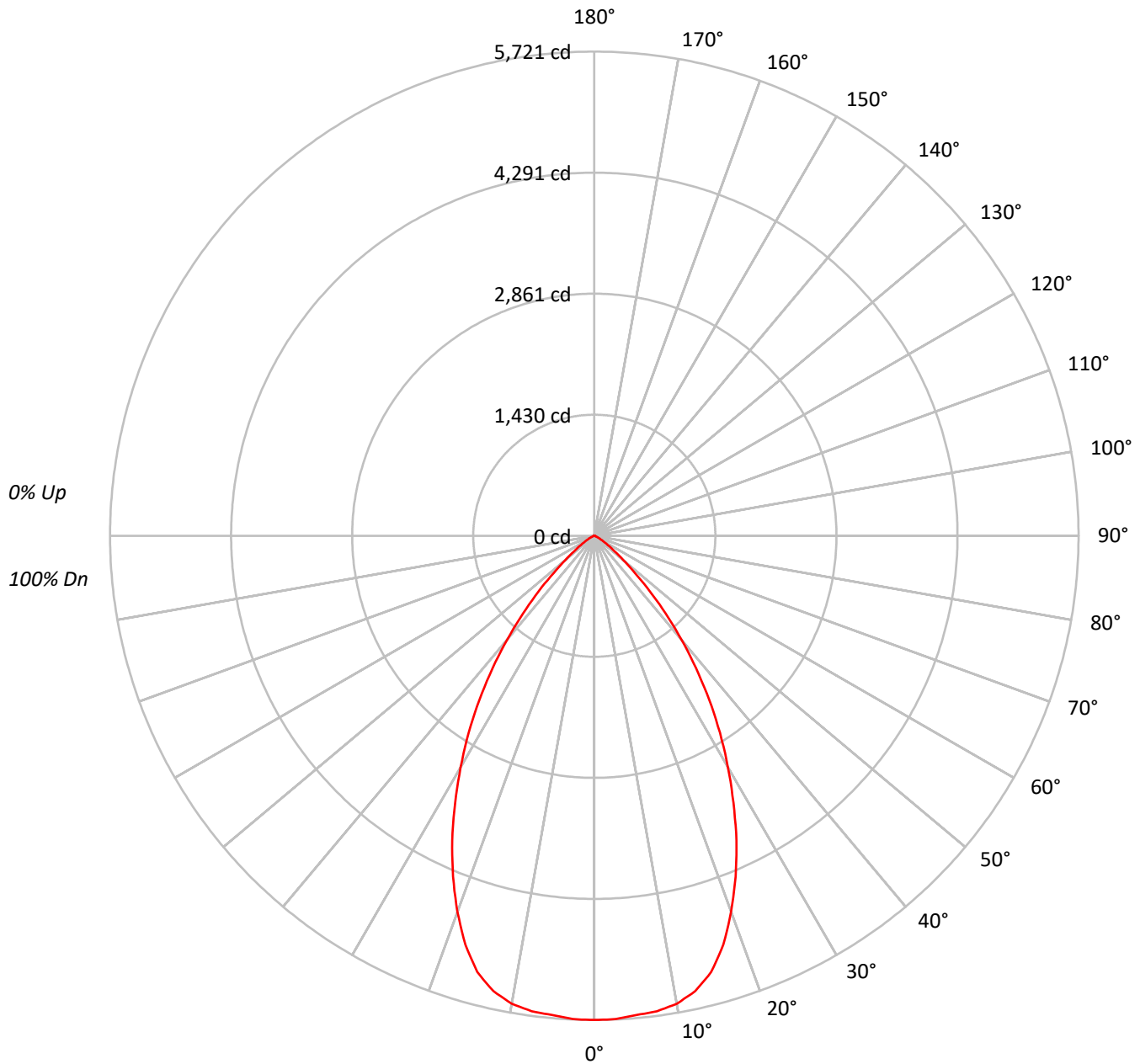
Input Watts (W): 64.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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
RW	70	50	30	10		70	50	30	10		50	30	10		50	30	10		50	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	113	110	107	105		111	108	105	103		104	102	100		100	99	97		97	95	94
2	107	102	97	94		105	100	96	92		97	93	90		94	91	88		91	89	87
3	101	94	88	84		99	92	87	83		90	86	82		87	84	81		85	82	80
4	95	87	81	76		93	86	80	76		84	79	75		82	77	74		80	76	73
5	90	81	74	70		88	80	74	69		78	73	69		76	72	68		75	71	68
6	85	75	69	64		83	74	68	64		73	67	63		71	67	63		70	66	62
7	80	70	64	59		79	69	63	59		68	63	59		67	62	58		66	61	58
8	76	66	59	55		75	65	59	55		64	58	54		63	58	54		62	57	54
9	72	61	55	51		71	61	55	51		60	54	51		59	54	50		58	54	50
10	68	58	52	47		67	57	51	47		57	51	47		56	51	47		55	50	47

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	334105
5°	333265
10°	332979
15°	322715
20°	293793
25°	256020
30°	212939
35°	168719
40°	121772
45°	76929
50°	40097
55°	21312
60°	11190
65°	6164
70°	2578
75°	2843
80°	1984
85°	1675

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 76929 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	541.0	8.6
10°-20°	1481.4	23.5
20°-30°	1810.8	28.7
30°-40°	1469.2	23.3
40°-50°	732.1	11.6
50°-60°	204.2	3.2
60°-70°	46.4	0.7
70°-80°	12.1	0.2
80°-90°	3.1	0.0
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°	3833.3	60.8
0°-40°	5302.5	84.2
0°-60°	6238.8	99.0
0°-90°	6300.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6300.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5721	
5°	5684	541
15°	5337	1481
25°	3973	1811
35°	2366	1469
45°	931	732
55°	209	204
65°	45	46
75°	13	12
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5720.6
2.5°	5716.4
5°	5684.5
7.5°	5666.0
10°	5614.7
12.5°	5510.5
15°	5337.3
17.5°	5066.6
20°	4727.0
22.5°	4360.5
25°	3972.9
27.5°	3558.5
30°	3157.5
32.5°	2761.5
35°	2366.4
37.5°	1972.2
40°	1597.2
42.5°	1245.8
45°	931.4
47.5°	649.0
50°	441.3
52.5°	304.3
55°	209.3
57.5°	141.2
60°	95.8
62.5°	66.4
65°	44.6
67.5°	22.7
70°	15.1
72.5°	14.3
75°	12.6
77.5°	8.4
80°	5.9
82.5°	4.2
85°	2.5
87.5°	1.7
90°	0.0



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— 0°-180°







(END OF REPORT)