

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: P769201

Luminaire Tested: LD6D60D010-EU6DR6055659027-6LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P769201
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-EU6DR6055659027-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5561.5 lumens
Efficiency: N/A
Efficacy: 86.4 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

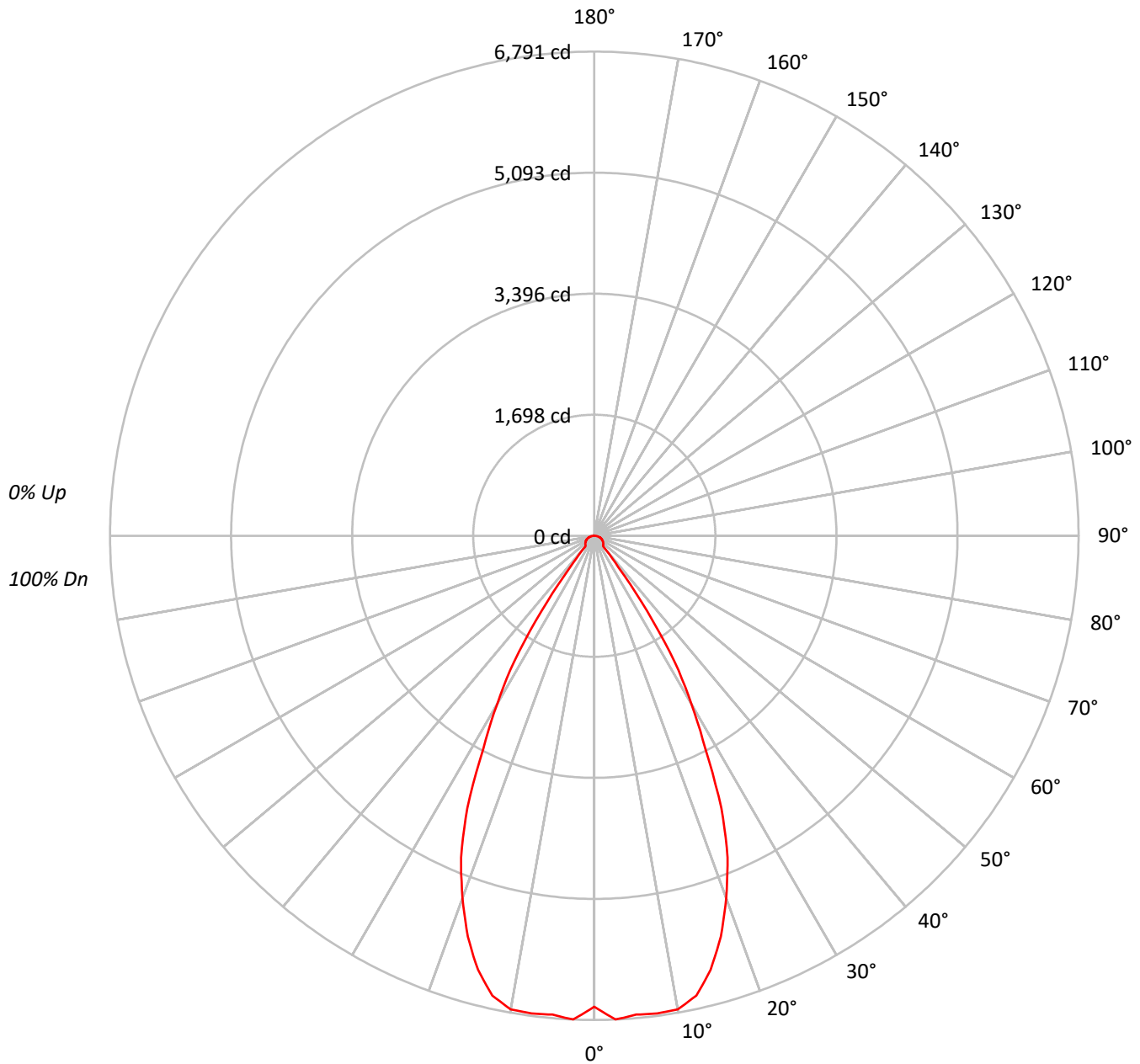
Input Watts (W): 64.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	721667
5°	739417
10°	748344
15°	712896
20°	628559
25°	508396
30°	343884
35°	172317
40°	27955
45°	27365
50°	27911
55°	28326
60°	29107
65°	29783
70°	30476
75°	30859
80°	29762
85°	24822

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 30859 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	644.3	11.6
10°-20°	1743.3	31.3
20°-30°	1875.6	33.7
30°-40°	815.3	14.7
40°-50°	137.0	2.5
50°-60°	133.1	2.4
60°-70°	113.9	2.0
70°-80°	76.2	1.4
80°-90°	22.8	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°	4263.3	76.7
0°-40°	5078.5	91.3
0°-60°	5348.6	96.2
0°-90°	5561.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5561.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6605	
5°	6742	644
15°	6302	1743
25°	4217	1876
35°	1292	815
45°	177	137
55°	149	133
65°	115	114
75°	73	76
85°	20	23
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6605.0
2.5°	6790.7
5°	6741.7
7.5°	6757.2
10°	6745.1
12.5°	6605.9
15°	6302.4
17.5°	5895.0
20°	5405.9
22.5°	4882.4
25°	4217.1
27.5°	3373.0
30°	2725.7
32.5°	2100.8
35°	1291.9
37.5°	552.7
40°	196.0
42.5°	180.5
45°	177.1
47.5°	171.1
50°	164.2
52.5°	156.4
55°	148.7
57.5°	141.0
60°	133.2
62.5°	124.6
65°	115.2
67.5°	105.7
70°	95.4
72.5°	84.2
75°	73.1
77.5°	60.2
80°	47.3
82.5°	33.5
85°	19.8
87.5°	6.9
90°	0.0



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— 0°-180°







(END OF REPORT)