

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: P769279

Luminaire Tested: LD6D60D010-EU6DR6555659027-6LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P769279
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D60D010-EU6DR6555659027-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4660.2 lumens
Efficiency: N/A
Efficacy: 72.4 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

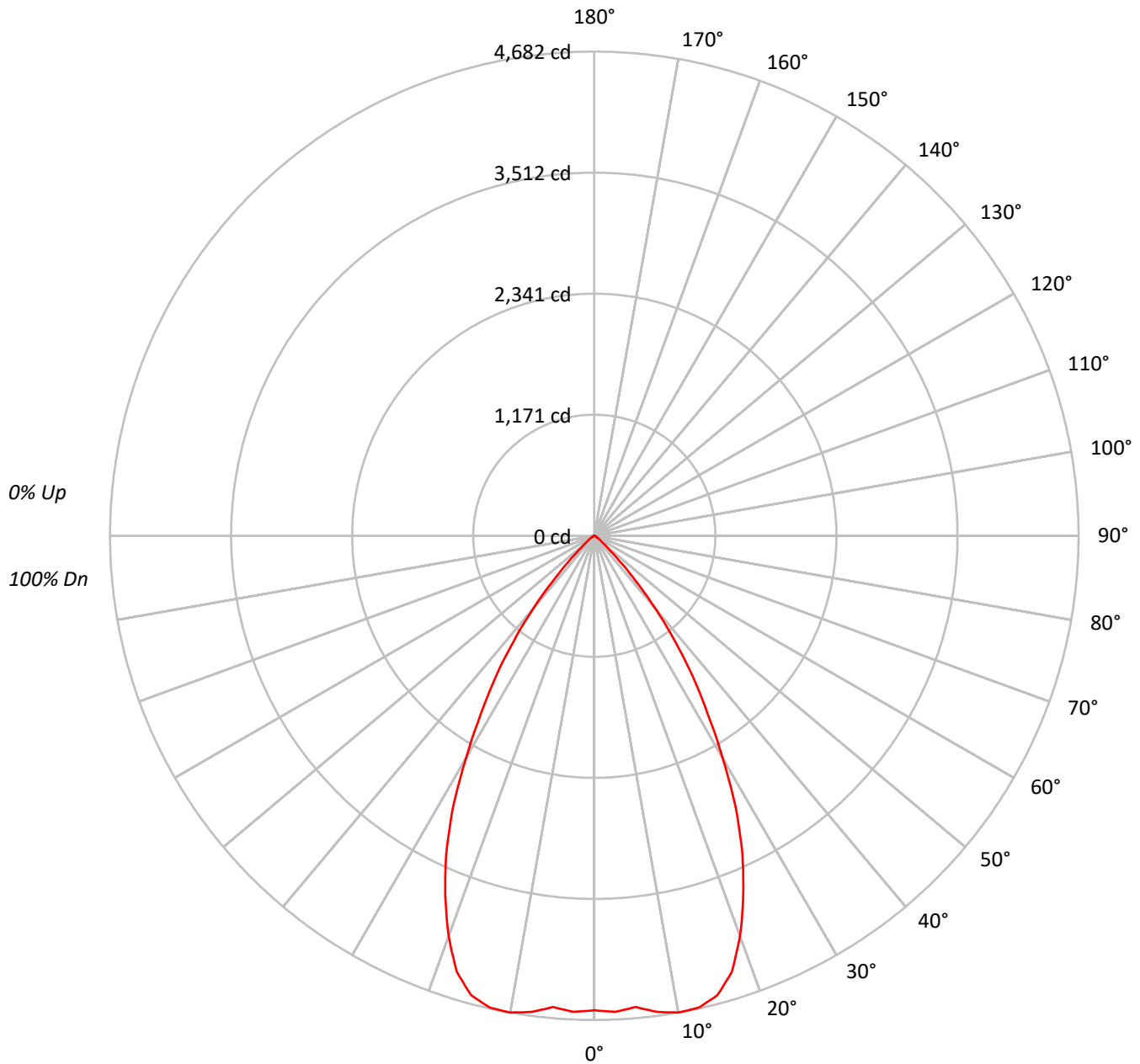
Input Watts (W): 64.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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			0
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111			106	106	106			100
1	113	111	108	106		111	108	106	104		104	103	101			101	99	98			93
2	108	103	99	95		106	101	97	94		98	95	92			95	92	90			87
3	102	96	91	87		100	94	90	86		92	88	85			89	86	83			80
4	97	89	84	79		95	88	83	79		86	82	78			84	80	77			75
5	92	83	78	73		90	83	77	73		81	76	72			79	75	72			69
6	87	78	72	68		86	77	72	68		76	71	67			74	70	67			65
7	83	73	67	63		81	73	67	63		71	66	62			70	66	62			60
8	79	69	63	59		77	68	63	59		67	62	58			66	62	58			57
9	75	65	59	55		74	65	59	55		64	58	55			63	58	55			53
10	71	61	56	52		70	61	55	52		60	55	51			59	55	51			50

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	501310
5°	501723
10°	519395
15°	520250
20°	478974
25°	408118
30°	312419
35°	220722
40°	130292
45°	52892
50°	19174
55°	10687
60°	6119
65°	3361
70°	3546
75°	2744
80°	2894
85°	2507

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 52892 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	441.8	9.5
10°-20°	1274.4	27.3
20°-30°	1529.1	32.8
30°-40°	1027.6	22.1
40°-50°	307.6	6.6
50°-60°	54.3	1.2
60°-70°	15.4	0.3
70°-80°	7.6	0.2
80°-90°	2.4	0.1
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°	3245.3	69.6
0°-40°	4272.8	91.7
0°-60°	4634.7	99.5
0°-90°	4660.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4660.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4588	
5°	4574	442
15°	4599	1274
25°	3385	1529
35°	1655	1028
45°	342	308
55°	56	54
65°	13	15
75°	6	8
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4588.2
2.5°	4607.8
5°	4574.5
7.5°	4643.6
10°	4681.5
12.5°	4672.3
15°	4599.3
17.5°	4420.7
20°	4119.4
22.5°	3764.7
25°	3385.3
27.5°	2956.9
30°	2476.3
32.5°	2040.8
35°	1654.8
37.5°	1273.4
40°	913.5
42.5°	596.6
45°	342.3
47.5°	181.3
50°	112.8
52.5°	78.2
55°	56.1
57.5°	40.4
60°	28.0
62.5°	18.3
65°	13.0
67.5°	11.7
70°	11.1
72.5°	8.5
75°	6.5
77.5°	5.9
80°	4.6
82.5°	3.3
85°	2.0
87.5°	1.3
90°	0.0



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— 0°-180°







(END OF REPORT)