

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: P769383

Luminaire Tested: LD6D60D010-EU6DR7055659035-6LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P769383
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-EU6DR7055659035-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4511.3 lumens
Efficiency: N/A
Efficacy: 70.1 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

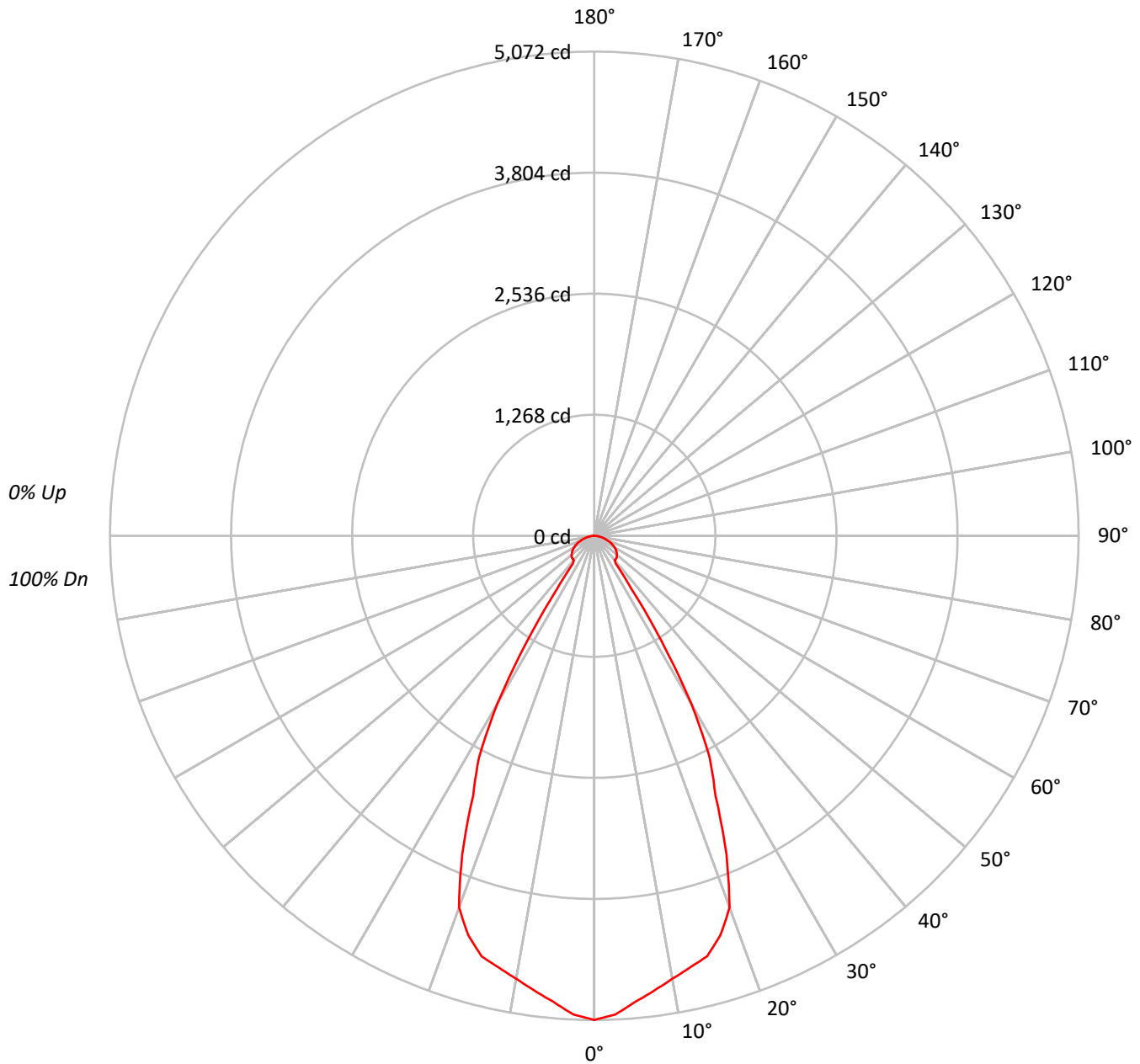
Input Watts (W): 64.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	112	109	106	103	110	107	104	102	103	101	99		99	97	96		95
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89
3	100	92	87	82	98	91	86	81	88	84	80		86	82	79		83
4	94	86	80	75	92	85	79	74	82	77	73		80	76	73		78
5	89	80	74	69	87	79	73	69	77	72	68		75	71	67		74
6	85	75	68	64	83	74	68	64	73	67	63		71	66	63		70
7	80	70	64	59	79	70	64	59	68	63	59		67	62	59		66
8	77	66	60	56	75	66	60	56	65	59	55		64	59	55		63
9	73	63	57	52	72	62	56	52	61	56	52		60	55	52		60
10	70	59	53	49	69	59	53	49	58	53	49		57	52	49		57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	554171
5°	537708
10°	522712
15°	515861
20°	481707
25°	361885
30°	255822
35°	90620
40°	47653
45°	50744
50°	52558
55°	53547
60°	53866
65°	52741
70°	49771
75°	46099
80°	40898
85°	33221

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 53888 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	462.4	10.3
10°-20°	1268.4	28.1
20°-30°	1397.0	31.0
30°-40°	533.8	11.8
40°-50°	252.0	5.6
50°-60°	250.6	5.6
60°-70°	200.6	4.4
70°-80°	115.3	2.6
80°-90°	31.3	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°	3127.8	69.3
0°-40°	3661.5	81.2
0°-60°	4164.1	92.3
0°-90°	4511.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4511.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5072	
5°	4903	462
15°	4560	1268
25°	3002	1397
35°	679	534
45°	328	252
55°	281	251
65°	204	201
75°	109	115
85°	26	31
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5072.0
2.5°	5019.0
5°	4902.6
7.5°	4805.4
10°	4711.4
12.5°	4631.9
15°	4560.5
17.5°	4387.8
20°	4142.9
22.5°	3614.5
25°	3001.8
27.5°	2613.1
30°	2027.7
32.5°	1309.8
35°	679.4
37.5°	367.0
40°	334.1
42.5°	331.7
45°	328.4
47.5°	321.2
50°	309.2
52.5°	295.5
55°	281.1
57.5°	265.0
60°	246.5
62.5°	225.7
65°	204.0
67.5°	179.9
70°	155.8
72.5°	131.7
75°	109.2
77.5°	85.9
80°	65.0
82.5°	45.8
85°	26.5
87.5°	10.4
90°	0.0



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— 0°-180°







(END OF REPORT)