

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: P769370

Luminaire Tested: LD6D60D010-EU6DR7055659030-6LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P769370
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-EU6DR7055659030-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4464.2 lumens
Efficiency: N/A
Efficacy: 69.3 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

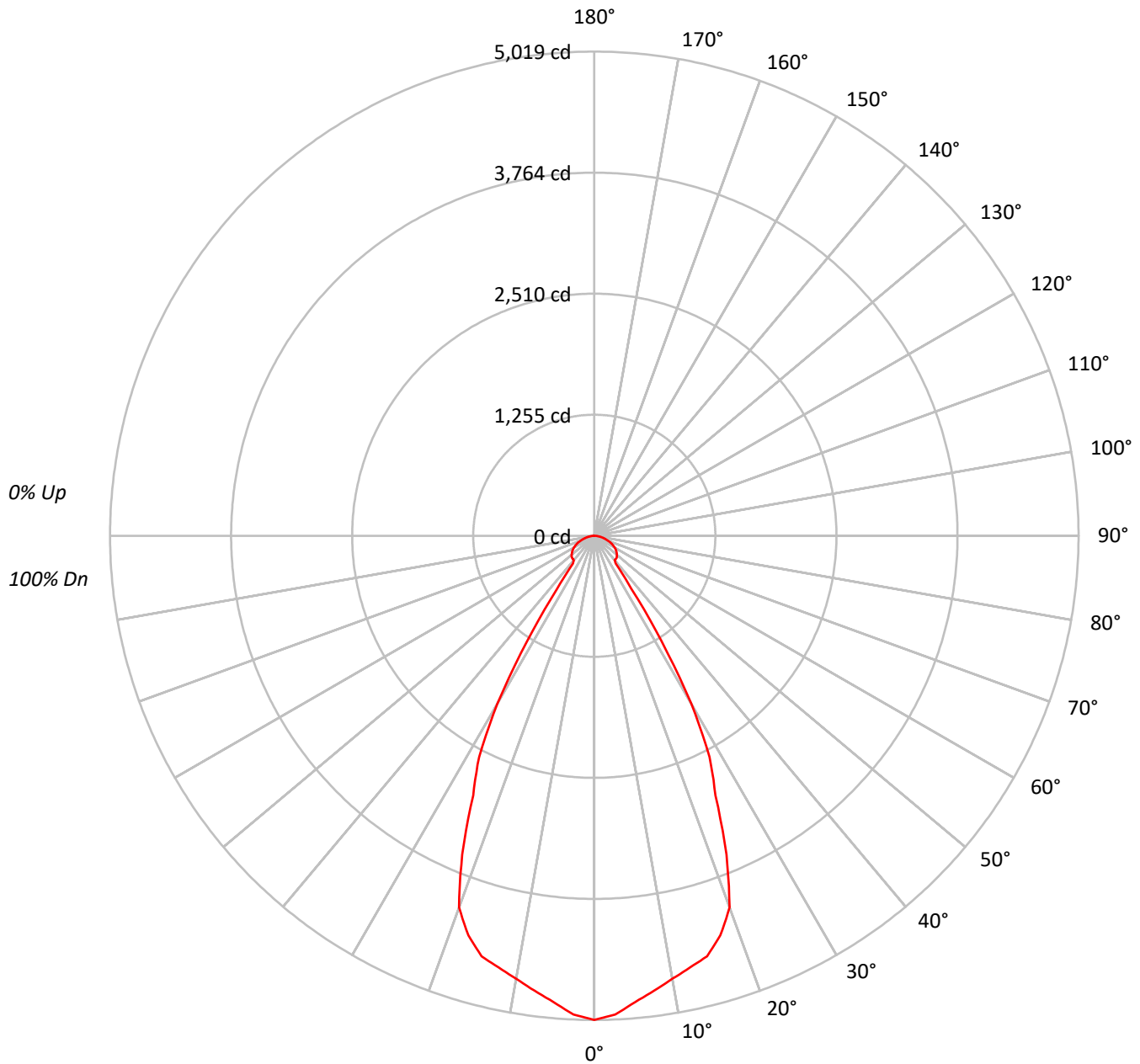
Input Watts (W): 64.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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					0
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	112	109	106	103	110	107	104	102		103	101	99		99	97	96		95	94	93
2	106	100	95	91	103	98	94	90		95	91	88		92	89	86		89	87	85
3	100	92	87	82	98	91	86	81		88	84	80		86	82	79		83	80	78
4	94	86	80	75	92	85	79	74		82	77	73		80	76	73		78	75	72
5	89	80	74	69	87	79	73	69		77	72	68		75	71	67		74	70	67
6	85	75	68	64	83	74	68	64		73	67	63		71	66	63		70	66	62
7	80	70	64	59	79	70	64	59		68	63	59		67	62	59		66	62	58
8	77	66	60	56	75	66	60	56		65	59	55		64	59	55		63	58	55
9	73	63	57	52	72	62	56	52		61	56	52		60	55	52		60	55	52
10	70	59	53	49	69	59	53	49		58	53	49		57	52	49		57	52	49

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	548391
5°	532103
10°	517265
15°	510477
20°	476684
25°	358111
30°	253147
35°	89673
40°	47153
45°	50218
50°	51997
55°	52975
60°	53319
65°	52172
70°	49260
75°	45635
80°	40521
85°	32845

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 53319 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	457.6	10.3
10°-20°	1255.2	28.1
20°-30°	1382.4	31.0
30°-40°	528.2	11.8
40°-50°	249.4	5.6
50°-60°	247.9	5.6
60°-70°	198.5	4.4
70°-80°	114.1	2.6
80°-90°	31.0	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°	3095.2	69.3
0°-40°	3623.3	81.2
0°-60°	4120.6	92.3
0°-90°	4464.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4464.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5019	
5°	4852	458
15°	4513	1255
25°	2970	1382
35°	672	528
45°	325	249
55°	278	248
65°	202	199
75°	108	114
85°	26	31
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5019.1
2.5°	4966.7
5°	4851.5
7.5°	4755.3
10°	4662.3
12.5°	4583.7
15°	4512.9
17.5°	4342.1
20°	4099.7
22.5°	3576.8
25°	2970.5
27.5°	2585.9
30°	2006.5
32.5°	1296.1
35°	672.3
37.5°	363.2
40°	330.6
42.5°	328.2
45°	325.0
47.5°	317.9
50°	305.9
52.5°	292.4
55°	278.1
57.5°	262.2
60°	244.0
62.5°	223.3
65°	201.8
67.5°	178.0
70°	154.2
72.5°	130.3
75°	108.1
77.5°	85.0
80°	64.4
82.5°	45.3
85°	26.2
87.5°	10.3
90°	0.0



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— 0°-180°







(END OF REPORT)