

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: P758612

Luminaire Tested: LD6D05D010-EU6DR600210IC9024-6LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P758612
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: LD6D05D010-EU6DR600210IC9024-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 461.4 lumens
Efficiency: N/A
Efficacy: 61.5 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): 7.5
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



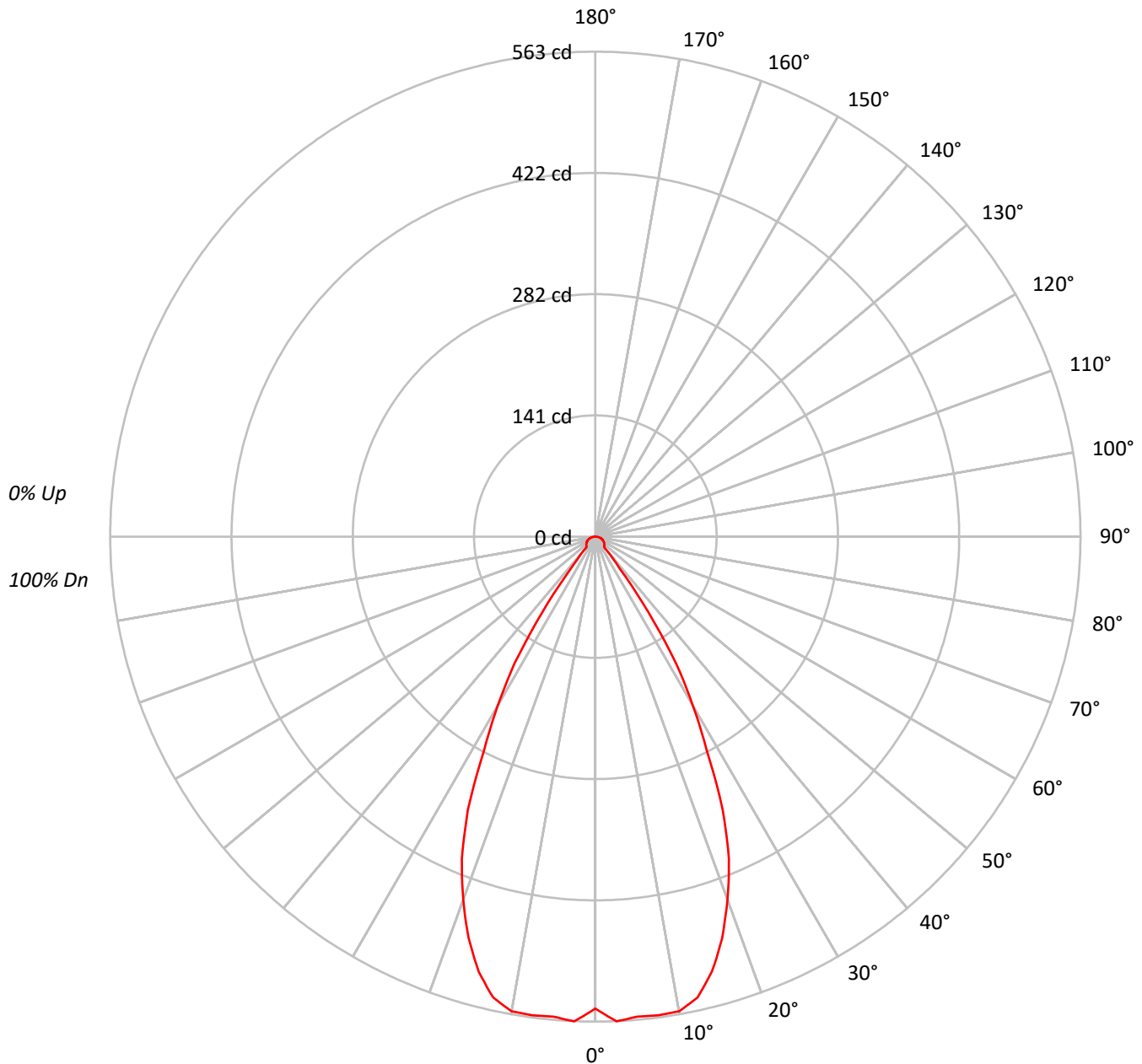
Downlight



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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	113	110	108	105	111	108	106	104	104	102	100		100	99	97		97
2	107	102	98	95	105	101	97	94	97	94	92		94	92	90		92
3	102	96	90	86	100	94	89	86	91	88	84		89	86	83		87
4	97	89	84	80	95	88	83	79	86	82	78		84	80	77		82
5	92	84	78	74	91	83	78	74	81	77	73		80	76	72		78
6	88	79	73	69	87	78	73	69	77	72	68		75	71	68		74
7	84	75	69	65	83	74	68	64	73	68	64		72	67	64		71
8	80	71	65	61	79	70	65	61	69	64	60		68	64	60		67
9	77	67	61	57	75	67	61	57	66	61	57		65	60	57		64
10	73	64	58	54	72	63	58	54	62	58	54		62	57	54		61

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	59864
5°	61343
10°	62074
15°	59137
20°	52137
25°	42170
30°	28526
35°	14299
40°	2325
45°	2271
50°	2312
55°	2343
60°	2426
65°	2482
70°	2524
75°	2575
80°	2454
85°	2131

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 2575 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.4	11.6
10°-20°	144.6	31.3
20°-30°	155.6	33.7
30°-40°	67.6	14.7
40°-50°	11.4	2.5
50°-60°	11.0	2.4
60°-70°	9.5	2.1
70°-80°	6.3	1.4
80°-90°	1.9	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°	353.6	76.6
0°-40°	421.3	91.3
0°-60°	443.7	96.2
0°-90°	461.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	461.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	548	
5°	559	53
15°	523	145
25°	350	156
35°	107	68
45°	15	11
55°	12	11
65°	10	9
75°	6	6
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	547.9
2.5°	563.3
5°	559.3
7.5°	560.5
10°	559.5
12.5°	548.0
15°	522.8
17.5°	489.0
20°	448.4
22.5°	405.0
25°	349.8
27.5°	279.8
30°	226.1
32.5°	174.3
35°	107.2
37.5°	45.8
40°	16.3
42.5°	15.0
45°	14.7
47.5°	14.2
50°	13.6
52.5°	13.0
55°	12.3
57.5°	11.7
60°	11.1
62.5°	10.3
65°	9.6
67.5°	8.8
70°	7.9
72.5°	7.0
75°	6.1
77.5°	5.0
80°	3.9
82.5°	2.8
85°	1.7
87.5°	0.6
90°	0.0



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— 0°-180°







(END OF REPORT)