

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: P742999

Luminaire Tested: LD4D15D010-EU4DR2015309035-4LBSQW1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P742999
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D15D010-EU4DR2015309035-4LBSQW1B
Description: 4 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

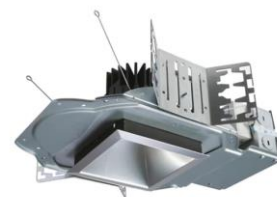
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1200.7 lumens
Efficiency: N/A
Efficacy: 76.0 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.36
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 15.8
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



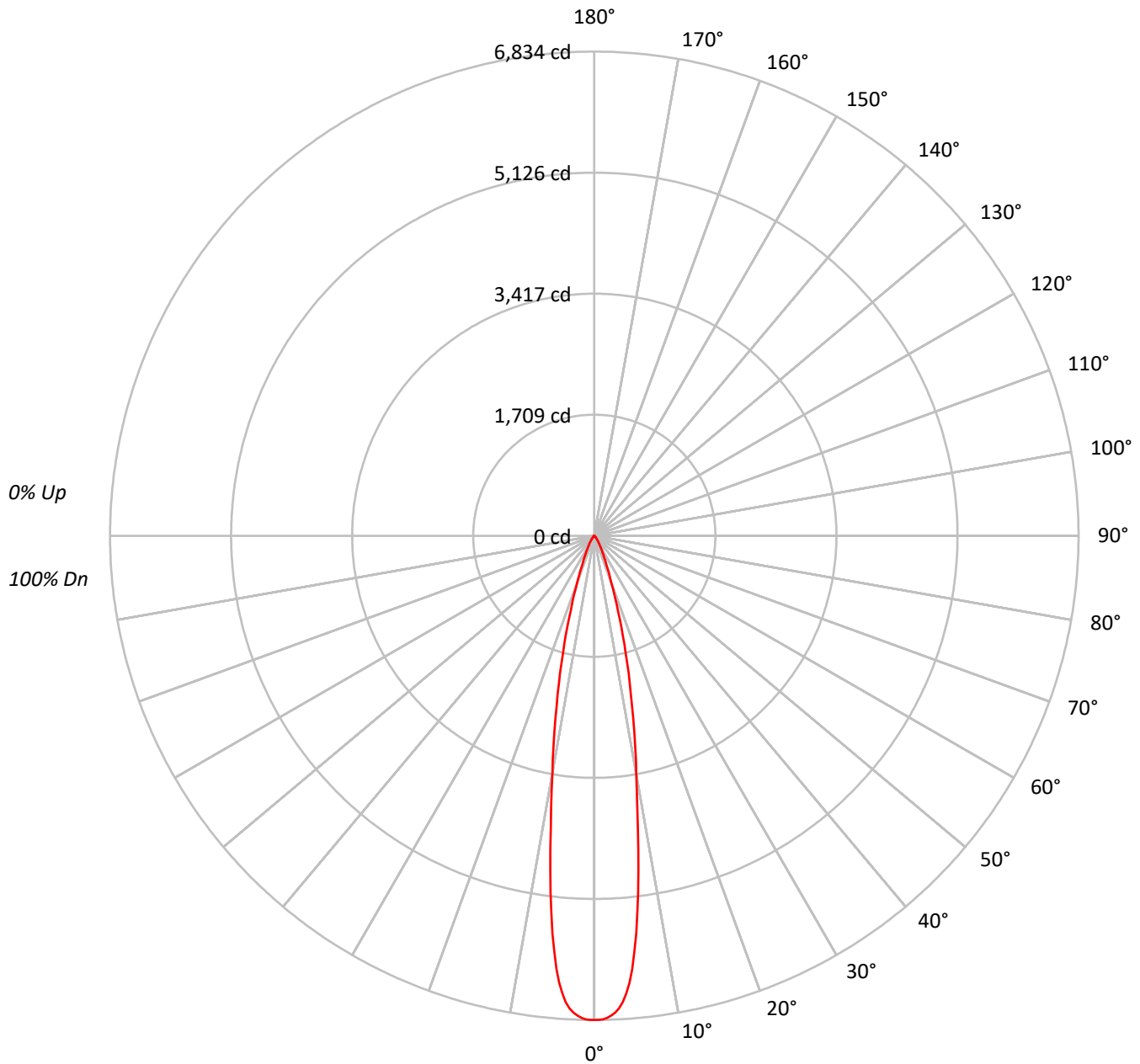
Downlight



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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	115	113	111	109	113	111	109	108	107	106	104		103	102	101		100
2	111	108	105	102	109	106	104	101	103	101	99		100	99	97		98
3	108	103	100	97	106	102	99	96	100	97	95		97	95	93		95
4	105	99	96	93	103	98	95	92	96	93	91		95	92	90		93
5	102	96	92	89	100	95	91	89	94	90	88		92	89	87		91
6	99	93	89	86	98	92	88	86	91	87	85		90	87	84		88
7	96	90	86	83	95	89	86	83	88	85	82		87	84	82		86
8	94	87	83	81	93	87	83	80	86	83	80		85	82	80		84
9	91	85	81	78	91	85	81	78	84	80	78		83	80	78		82
10	89	83	79	76	88	82	79	76	82	78	76		81	78	76		81

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	746721
5°	673676
10°	378105
15°	192194
20°	81379
25°	37565
30°	19883
35°	10711
40°	5734
45°	3384
50°	1972
55°	1048
60°	656
65°	465
70°	192
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3384 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	486.6	40.5
10°-20°	479.1	39.9
20°-30°	156.5	13.0
30°-40°	53.3	4.4
40°-50°	17.9	1.5
50°-60°	5.4	0.5
60°-70°	1.8	0.1
70°-80°	0.1	0.0
80°-90°	0.0	0.0
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°	1122.3	93.5
0°-40°	1175.5	97.9
0°-60°	1198.9	99.8
0°-90°	1200.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1200.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6834	
5°	6142	487
15°	1699	479
25°	312	157
35°	80	53
45°	22	18
55°	6	5
65°	2	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6834.3
0.5°	6834.3
1°	6825.7
1.5°	6808.7
2°	6777.7
2.5°	6736.3
3°	6677.9
3.5°	6596.3
4°	6475.2
4.5°	6327.9
5°	6142.3
5.5°	5898.3
6°	5648.2
6.5°	5361.5
7°	5081.0
7.5°	4752.3
8°	4459.0
8.5°	4163.8
9°	3891.2
9.5°	3641.1
10°	3408.0
12.5°	2447.1
15°	1699.1
17.5°	1110.0
20°	699.9
22.5°	453.4
25°	311.6
27.5°	219.1
30°	157.6
32.5°	113.2
35°	80.3
37.5°	56.0
40°	40.2
42.5°	29.2
45°	21.9
47.5°	17.0
50°	11.6
52.5°	7.3
55°	5.5
57.5°	4.3
60°	3.0
62.5°	2.4
65°	1.8



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CANDELA DISTRIBUTION (continued):

	0°
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







67.5°	1.2
70°	0.6



(END OF REPORT)