

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: P756459

Luminaire Tested: LD4D95BD010-EU4DR5070959035-4LBDP1B

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P756459
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-44)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D95BD010-EU4DR5070959035-4LBDP1B
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 50° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8229.2 lumens
Efficiency: N/A
Efficacy: 83.0 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.73
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 99.2
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

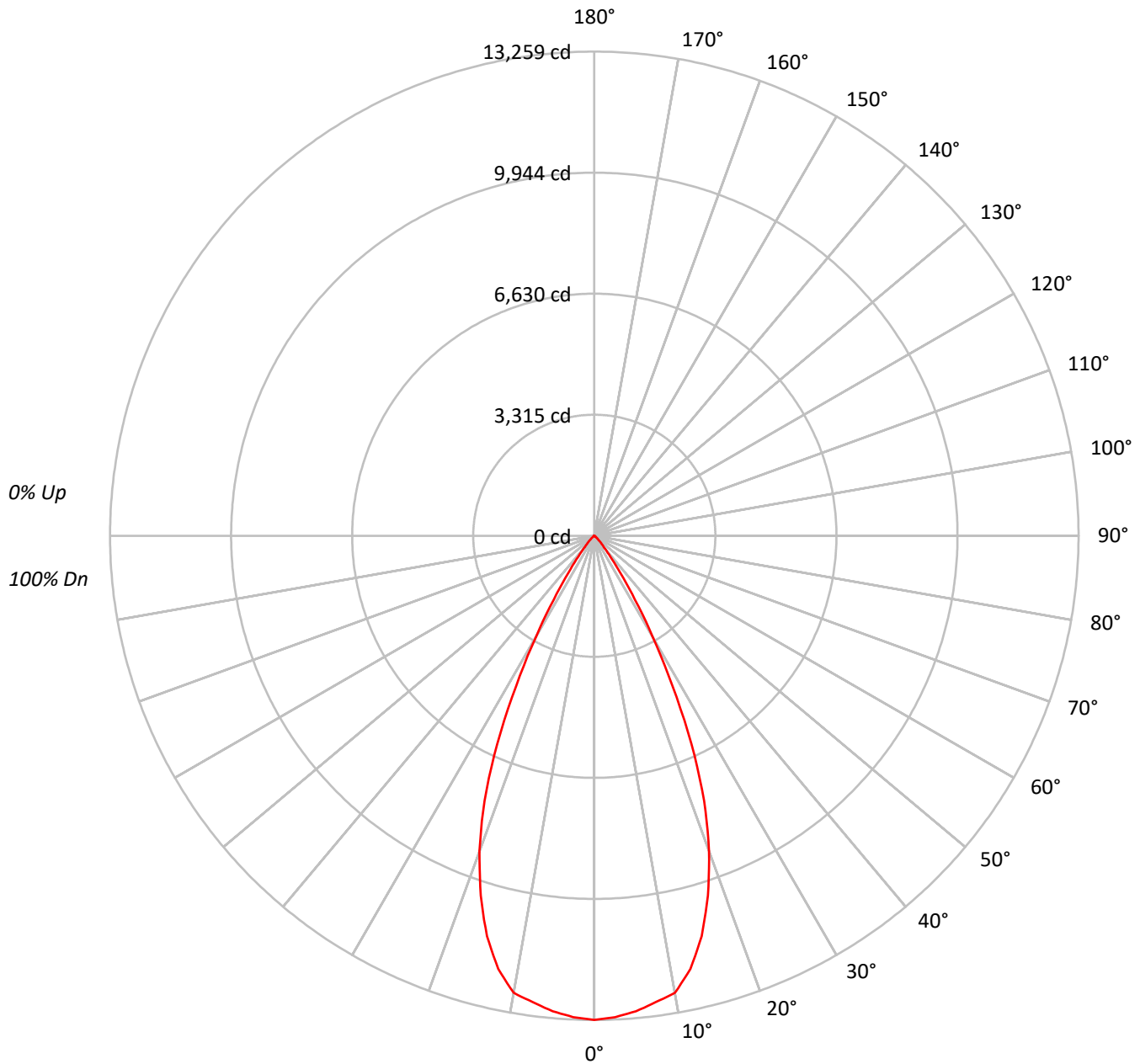


Downlight

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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			0
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111			106	106	106			100
1	114	112	109	107		112	110	108	106		106	104	102			102	101	99			95
2	109	105	101	98		107	103	100	97		100	98	95			97	95	93			90
3	105	99	95	91		103	98	94	90		95	92	89			93	90	88			85
4	100	94	89	85		99	93	88	85		90	87	84			89	85	83			80
5	96	89	84	80		95	88	83	79		86	82	79			85	81	78			76
6	92	84	79	75		91	83	79	75		82	78	74			81	77	74			72
7	88	80	75	71		87	79	74	71		78	74	71			77	73	70			69
8	85	76	71	67		84	76	71	67		75	70	67			74	70	67			65
9	81	73	68	64		80	72	67	64		71	67	64			71	67	64			62
10	78	70	64	61		77	69	64	61		68	64	61			68	64	61			59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1448732
5°	1433537
10°	1409927
15°	1283856
20°	1068315
25°	758345
30°	401389
35°	163567
40°	60746
45°	27813
50°	11406
55°	5962
60°	2928
65°	879
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 27813 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1235.4	15.0
10°-20°	3122.2	37.9
20°-30°	2804.5	34.1
30°-40°	878.1	10.7
40°-50°	153.8	1.9
50°-60°	30.6	0.4
60°-70°	4.6	0.1
70°-80°	0.0	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°	7162.1	87.0
0°-40°	8040.2	97.7
0°-60°	8224.6	99.9
0°-90°	8229.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8229.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13259	
5°	13070	###
15°	11350	3122
25°	6290	2805
35°	1226	878
45°	180	154
55°	31	31
65°	3	5
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	13259.4
2.5°	13193.4
5°	13070.4
7.5°	12882.6
10°	12708.2
12.5°	12149.3
15°	11350.0
17.5°	10335.0
20°	9188.0
22.5°	7861.0
25°	6290.4
27.5°	4624.7
30°	3181.5
32.5°	2071.5
35°	1226.3
37.5°	704.3
40°	425.9
42.5°	277.2
45°	180.0
47.5°	109.6
50°	67.1
52.5°	45.8
55°	31.3
57.5°	21.2
60°	13.4
62.5°	7.8
65°	3.4
67.5°	1.1
70°	0.0
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°







(END OF REPORT)