

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: P752717

Luminaire Tested: LD4D70BD010-EU4DR6070959035-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P752717
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: LD4D70BD010-EU4DR6070959035-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7217.5 lumens
Efficiency: N/A
Efficacy: 108.4 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): 66.6
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

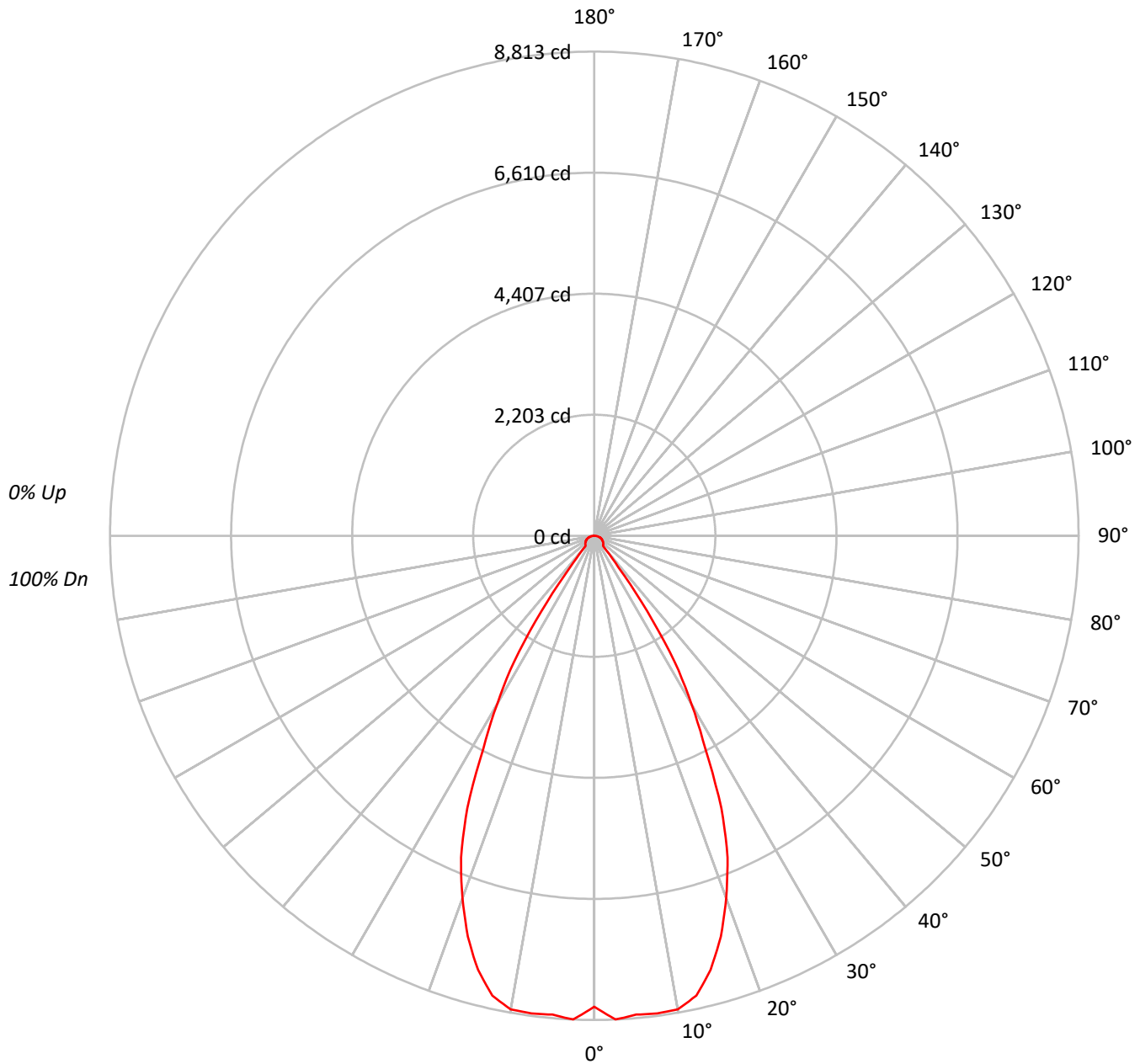


Downlight

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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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	113	110	108	105		111	108	106	104		104	102	100		100	99	97		97	96	95
2	107	102	98	95		105	101	97	94		97	94	92		94	92	90		92	90	88
3	102	96	90	86		100	94	89	86		91	88	84		89	86	83		87	84	82
4	97	89	84	80		95	88	83	79		86	82	78		84	80	77		82	79	76
5	92	84	78	74		91	83	78	74		81	77	73		80	76	72		78	75	72
6	88	79	73	69		87	78	73	69		77	72	68		75	71	68		74	70	67
7	84	75	69	65		83	74	68	64		73	68	64		72	67	64		71	67	63
8	80	71	65	61		79	70	65	61		69	64	60		68	64	60		67	63	60
9	77	67	61	57		75	67	61	57		66	61	57		65	60	57		64	60	57
10	73	64	58	54		72	63	58	54		62	58	54		62	57	54		61	57	54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	936550
5°	959585
10°	971179
15°	925179
20°	815724
25°	659778
30°	446278
35°	223630
40°	36271
45°	35508
50°	36223
55°	36765
60°	37782
65°	38651
70°	39549
75°	40020
80°	38633
85°	32218

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 40020 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	836.2	11.6
10°-20°	2262.4	31.3
20°-30°	2434.1	33.7
30°-40°	1058.1	14.7
40°-50°	177.7	2.5
50°-60°	172.8	2.4
60°-70°	147.8	2.0
70°-80°	98.9	1.4
80°-90°	29.6	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°	5532.7	76.7
0°-40°	6590.8	91.3
0°-60°	6941.3	96.2
0°-90°	7217.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7217.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8572	
5°	8749	836
15°	8179	2262
25°	5473	2434
35°	1677	1058
45°	230	178
55°	193	173
65°	150	148
75°	95	99
85°	26	30
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8571.7
2.5°	8812.7
5°	8749.1
7.5°	8769.2
10°	8753.6
12.5°	8572.8
15°	8179.1
17.5°	7650.3
20°	7015.6
22.5°	6336.2
25°	5472.8
27.5°	4377.3
30°	3537.3
32.5°	2726.4
35°	1676.6
37.5°	717.3
40°	254.3
42.5°	234.3
45°	229.8
47.5°	222.0
50°	213.1
52.5°	203.0
55°	193.0
57.5°	182.9
60°	172.9
62.5°	161.8
65°	149.5
67.5°	137.2
70°	123.8
72.5°	109.3
75°	94.8
77.5°	78.1
80°	61.4
82.5°	43.5
85°	25.7
87.5°	8.9
90°	0.0



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— 0°-180°







(END OF REPORT)