

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: P751144

Luminaire Tested: LD4D60D010-EU4DR6055659030-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P751144
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: LD4D60D010-EU4DR6055659030-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6335.4 lumens
Efficiency: N/A
Efficacy: 98.4 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): 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

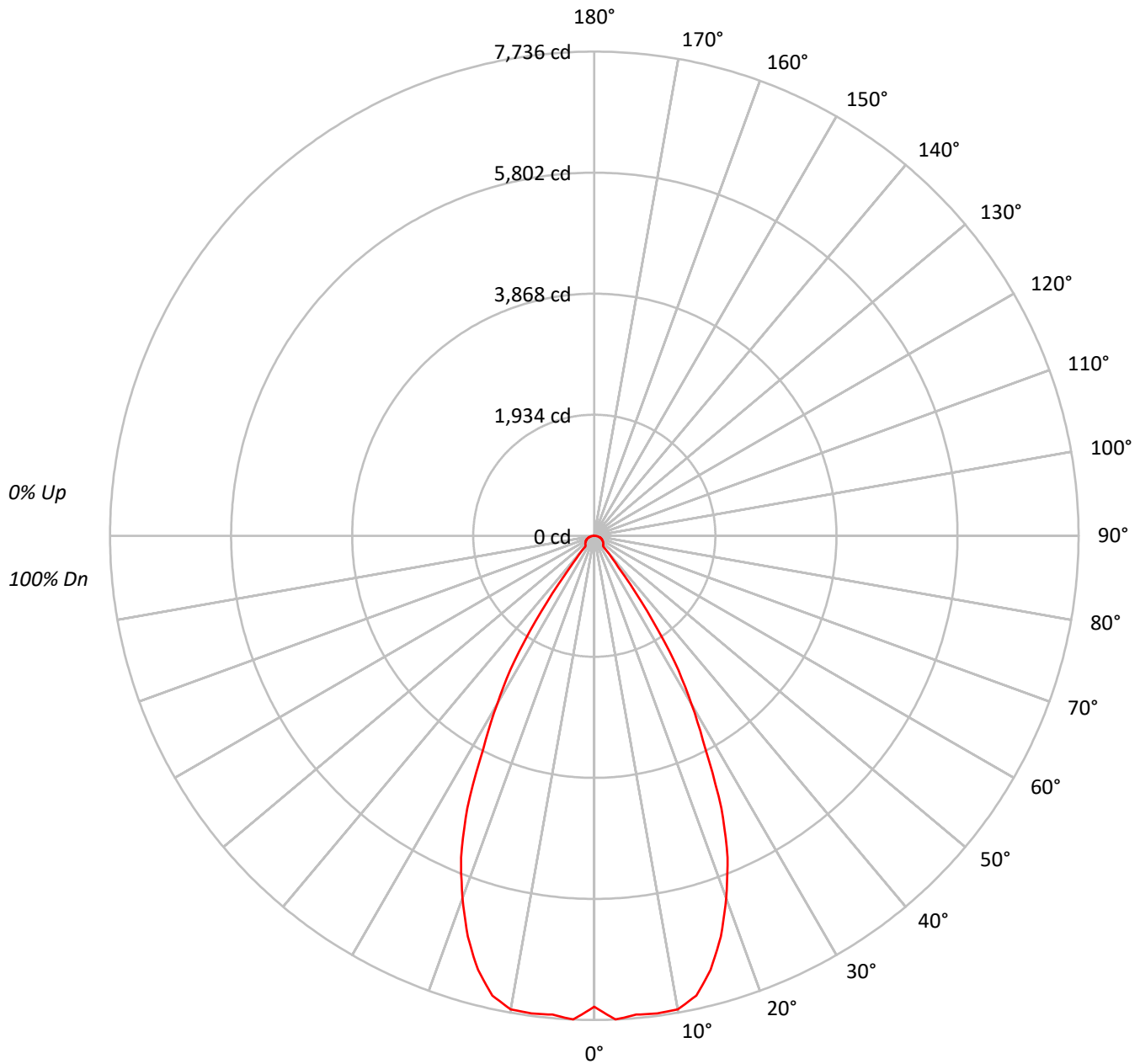


Downlight

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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°	822100
5°	842306
10°	852489
15°	812110
20°	716032
25°	579139
30°	391738
35°	196299
40°	31849
45°	31166
50°	31786
55°	32269
60°	33172
65°	33920
70°	34725
75°	35123
80°	33914
85°	28207

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 35123 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	734.0	11.6
10°-20°	1985.9	31.3
20°-30°	2136.6	33.7
30°-40°	928.8	14.7
40°-50°	156.0	2.5
50°-60°	151.7	2.4
60°-70°	129.7	2.0
70°-80°	86.8	1.4
80°-90°	26.0	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°	4856.5	76.7
0°-40°	5785.3	91.3
0°-60°	6092.9	96.2
0°-90°	6335.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6335.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7524	
5°	7680	734
15°	7180	1986
25°	4804	2137
35°	1472	929
45°	202	156
55°	169	152
65°	131	130
75°	83	87
85°	22	26
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7524.2
2.5°	7735.7
5°	7679.8
7.5°	7697.5
10°	7683.8
12.5°	7525.1
15°	7179.5
17.5°	6715.3
20°	6158.2
22.5°	5561.8
25°	4803.9
27.5°	3842.4
30°	3105.0
32.5°	2393.2
35°	1471.7
37.5°	629.6
40°	223.3
42.5°	205.6
45°	201.7
47.5°	194.9
50°	187.0
52.5°	178.2
55°	169.4
57.5°	160.6
60°	151.8
62.5°	142.0
65°	131.2
67.5°	120.4
70°	108.7
72.5°	96.0
75°	83.2
77.5°	68.5
80°	53.9
82.5°	38.2
85°	22.5
87.5°	7.8
90°	0.0



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— 0°-180°







(END OF REPORT)