

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: P751143

Luminaire Tested: LD4D60D010-EU4DR6055659030-4LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P751143
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-EU4DR6055659030-4LBDP1H
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-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: 6033.7 lumens
Efficiency: N/A
Efficacy: 93.7 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 (A_{in}): 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

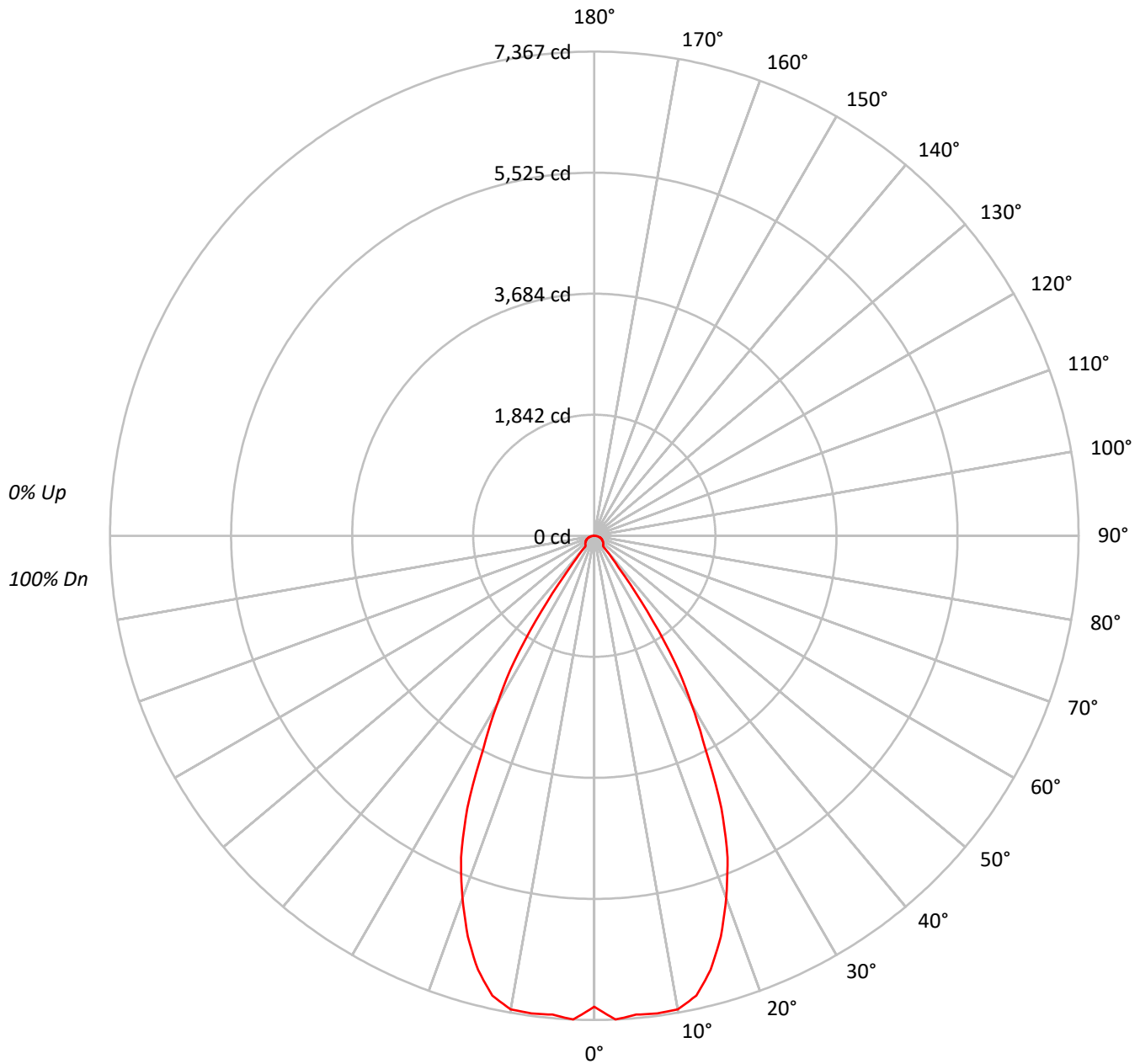


Downlight

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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°	782952
5°	802197
10°	811894
15°	773436
20°	681929
25°	551567
30°	373091
35°	186963
40°	30323
45°	29683
50°	30273
55°	30726
60°	31576
65°	32317
70°	33064
75°	33477
80°	32278
85°	26828

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 33477 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	699.0	11.6
10°-20°	1891.3	31.3
20°-30°	2034.9	33.7
30°-40°	884.5	14.7
40°-50°	148.6	2.5
50°-60°	144.4	2.4
60°-70°	123.5	2.0
70°-80°	82.7	1.4
80°-90°	24.7	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°	4625.3	76.7
0°-40°	5509.8	91.3
0°-60°	5802.8	96.2
0°-90°	6033.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6033.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7166	
5°	7314	699
15°	6838	1891
25°	4575	2035
35°	1402	885
45°	192	149
55°	161	144
65°	125	124
75°	79	83
85°	21	25
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7165.9
2.5°	7367.3
5°	7314.1
7.5°	7330.9
10°	7317.9
12.5°	7166.8
15°	6837.6
17.5°	6395.6
20°	5864.9
22.5°	5297.0
25°	4575.2
27.5°	3659.4
30°	2957.2
32.5°	2279.2
35°	1401.7
37.5°	599.6
40°	212.6
42.5°	195.8
45°	192.1
47.5°	185.6
50°	178.1
52.5°	169.7
55°	161.3
57.5°	152.9
60°	144.5
62.5°	135.2
65°	125.0
67.5°	114.7
70°	103.5
72.5°	91.4
75°	79.3
77.5°	65.3
80°	51.3
82.5°	36.4
85°	21.4
87.5°	7.5
90°	0.0



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— 0°-180°







(END OF REPORT)