

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: P751157

Luminaire Tested: LD4D60D010-EU4DR6055659035-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P751157
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-EU4DR6055659035-4LBDP1LI
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: 6402.2 lumens
Efficiency: N/A
Efficacy: 99.4 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

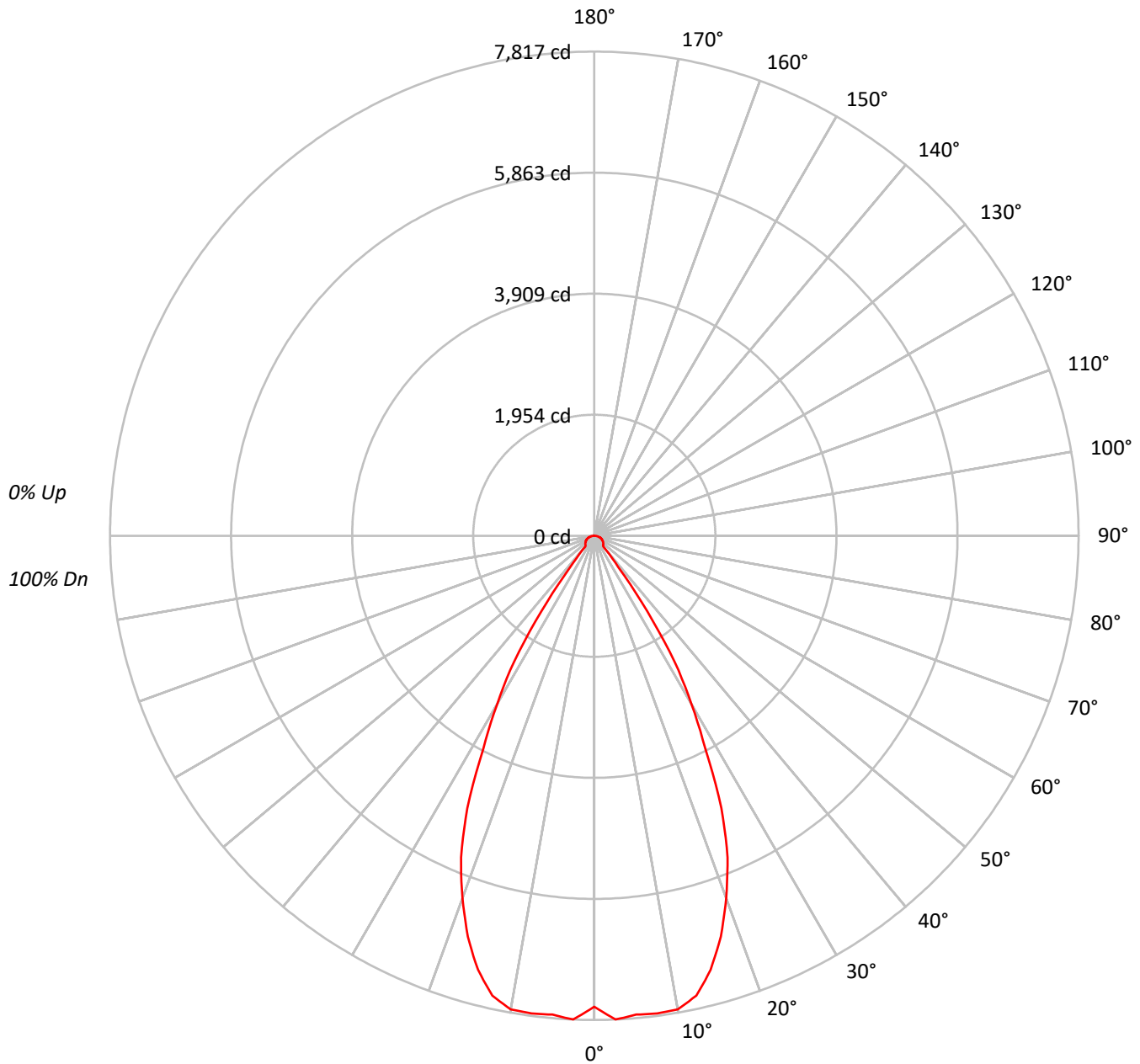


Downlight

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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
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°	830753
5°	851179
10°	861465
15°	820661
20°	723566
25°	585239
30°	395863
35°	198367
40°	32177
45°	31491
50°	32126
55°	32612
60°	33521
65°	34281
70°	35076
75°	35503
80°	34229
85°	28583

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 35503 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	741.7	11.6
10°-20°	2006.8	31.3
20°-30°	2159.1	33.7
30°-40°	938.5	14.7
40°-50°	157.6	2.5
50°-60°	153.3	2.4
60°-70°	131.1	2.0
70°-80°	87.7	1.4
80°-90°	26.2	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°	4907.7	76.7
0°-40°	5846.2	91.3
0°-60°	6157.1	96.2
0°-90°	6402.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6402.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7603	
5°	7761	742
15°	7255	2007
25°	4854	2159
35°	1487	939
45°	204	158
55°	171	153
65°	133	131
75°	84	88
85°	23	26
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7603.4
2.5°	7817.1
5°	7760.7
7.5°	7778.6
10°	7764.7
12.5°	7604.4
15°	7255.1
17.5°	6786.1
20°	6223.0
22.5°	5620.4
25°	4854.5
27.5°	3882.8
30°	3137.7
32.5°	2418.4
35°	1487.2
37.5°	636.3
40°	225.6
42.5°	207.8
45°	203.8
47.5°	196.9
50°	189.0
52.5°	180.1
55°	171.2
57.5°	162.3
60°	153.4
62.5°	143.5
65°	132.6
67.5°	121.7
70°	109.8
72.5°	97.0
75°	84.1
77.5°	69.3
80°	54.4
82.5°	38.6
85°	22.8
87.5°	7.9
90°	0.0



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— 0°-180°







(END OF REPORT)