

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: P751183

Luminaire Tested: LD4D60D010-EU4DR6055659050-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P751183
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-EU4DR6055659050-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6749.4 lumens
Efficiency: N/A
Efficacy: 104.8 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

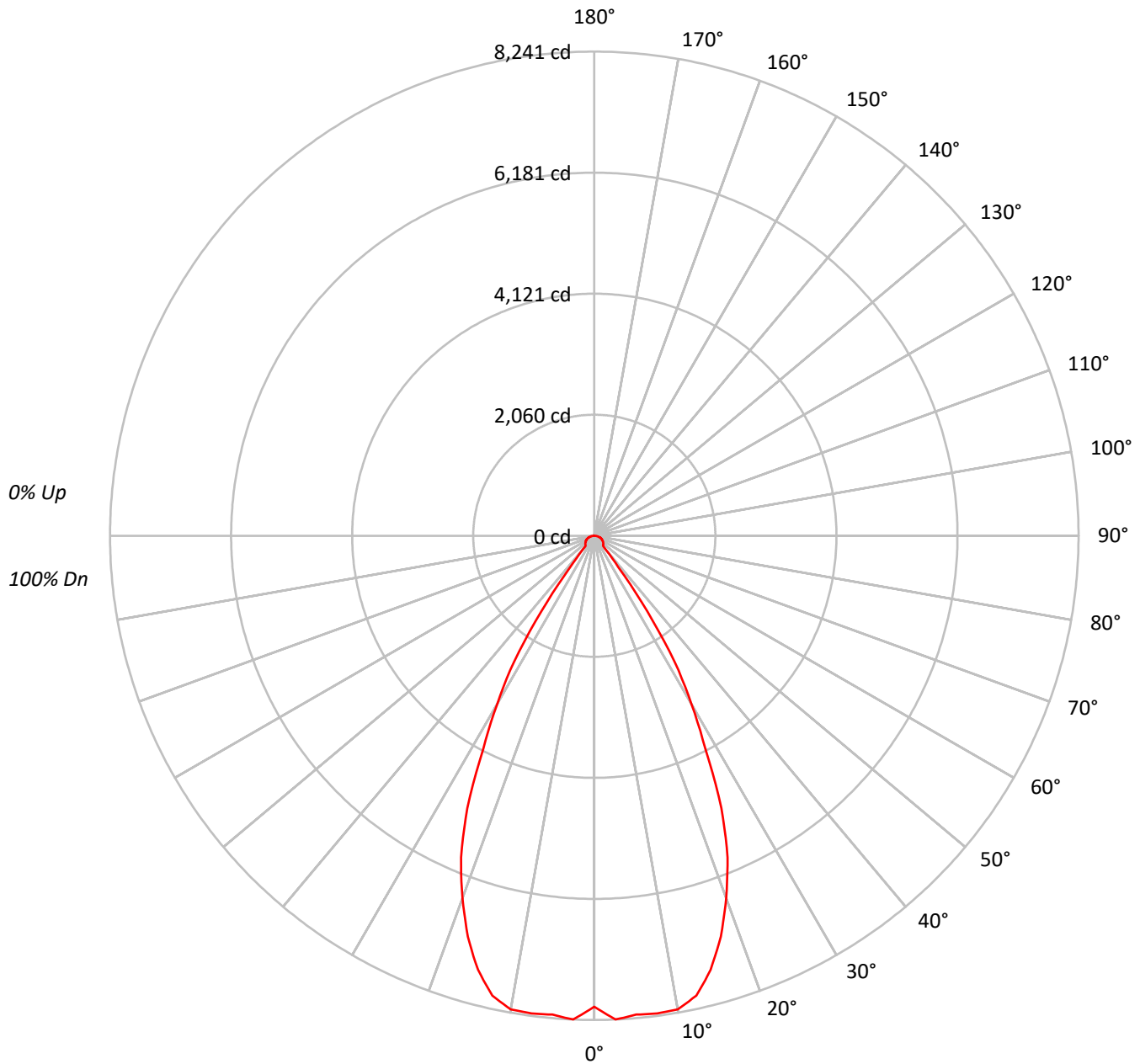


Downlight

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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°	875801
5°	897342
10°	908184
15°	865161
20°	762808
25°	616981
30°	417336
35°	209131
40°	33917
45°	33206
50°	33860
55°	34384
60°	35335
65°	36143
70°	36993
75°	37445
80°	36117
85°	30087

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 37445 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	782.0	11.6
10°-20°	2115.6	31.3
20°-30°	2276.2	33.7
30°-40°	989.4	14.7
40°-50°	166.2	2.5
50°-60°	161.6	2.4
60°-70°	138.2	2.0
70°-80°	92.5	1.4
80°-90°	27.7	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°	5173.8	76.7
0°-40°	6163.3	91.3
0°-60°	6491.1	96.2
0°-90°	6749.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6749.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8016	
5°	8182	782
15°	7648	2116
25°	5118	2276
35°	1568	989
45°	215	166
55°	180	162
65°	140	138
75°	89	92
85°	24	28
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	8015.7
2.5°	8241.1
5°	8181.6
7.5°	8200.4
10°	8185.8
12.5°	8016.8
15°	7648.5
17.5°	7154.1
20°	6560.5
22.5°	5925.2
25°	5117.8
27.5°	4093.4
30°	3307.9
32.5°	2549.5
35°	1567.9
37.5°	670.8
40°	237.8
42.5°	219.1
45°	214.9
47.5°	207.6
50°	199.2
52.5°	189.9
55°	180.5
57.5°	171.1
60°	161.7
62.5°	151.3
65°	139.8
67.5°	128.3
70°	115.8
72.5°	102.2
75°	88.7
77.5°	73.0
80°	57.4
82.5°	40.7
85°	24.0
87.5°	8.3
90°	0.0



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— 0°-180°







(END OF REPORT)