

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: P751181

Luminaire Tested: LD4D60D010-EU4DR6055659050-4LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P751181
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-EU4DR6055659050-4LBDP1B
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5061.9 lumens
Efficiency: N/A
Efficacy: 78.6 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

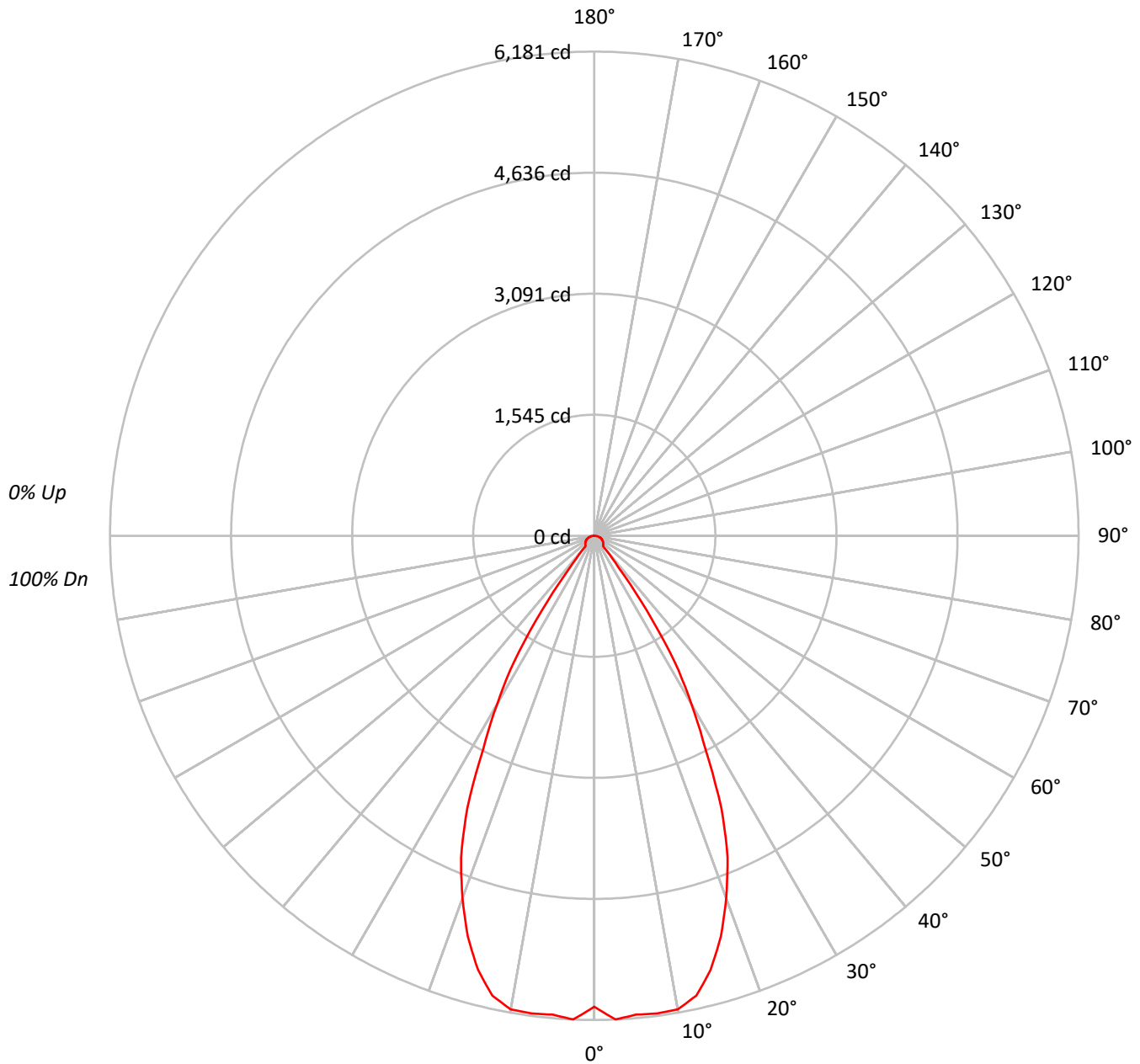


Downlight

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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°	656832
5°	672985
10°	681110
15°	648851
20°	572086
25°	462718
30°	312986
35°	156845
40°	25445
45°	24908
50°	25395
55°	25773
60°	26507
65°	27094
70°	27729
75°	28073
80°	27056
85°	22565

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 28073 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	586.4	11.6
10°-20°	1586.7	31.3
20°-30°	1707.1	33.7
30°-40°	742.1	14.7
40°-50°	124.6	2.5
50°-60°	121.2	2.4
60°-70°	103.6	2.0
70°-80°	69.4	1.4
80°-90°	20.8	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°	3880.2	76.7
0°-40°	4622.3	91.3
0°-60°	4868.1	96.2
0°-90°	5061.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5061.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6012	
5°	6136	586
15°	5736	1587
25°	3838	1707
35°	1176	742
45°	161	125
55°	135	121
65°	105	104
75°	66	69
85°	18	21
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6011.6
2.5°	6180.6
5°	6136.0
7.5°	6150.1
10°	6139.1
12.5°	6012.4
15°	5736.2
17.5°	5365.4
20°	4920.2
22.5°	4443.8
25°	3838.2
27.5°	3070.0
30°	2480.8
32.5°	1912.1
35°	1175.9
37.5°	503.1
40°	178.4
42.5°	164.3
45°	161.2
47.5°	155.7
50°	149.4
52.5°	142.4
55°	135.3
57.5°	128.3
60°	121.3
62.5°	113.4
65°	104.8
67.5°	96.2
70°	86.8
72.5°	76.7
75°	66.5
77.5°	54.8
80°	43.0
82.5°	30.5
85°	18.0
87.5°	6.3
90°	0.0



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— 0°-180°







(END OF REPORT)