

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: P751185

Luminaire Tested: LD4D60D010-EU4DR6055659050-4LBS1B

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P751185
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-60)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D60D010-EU4DR6055659050-4LBS1B
Description: 4 INCH ROUND SHALLOW 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: 6340.4 lumens
Efficiency: N/A
Efficacy: 98.5 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
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

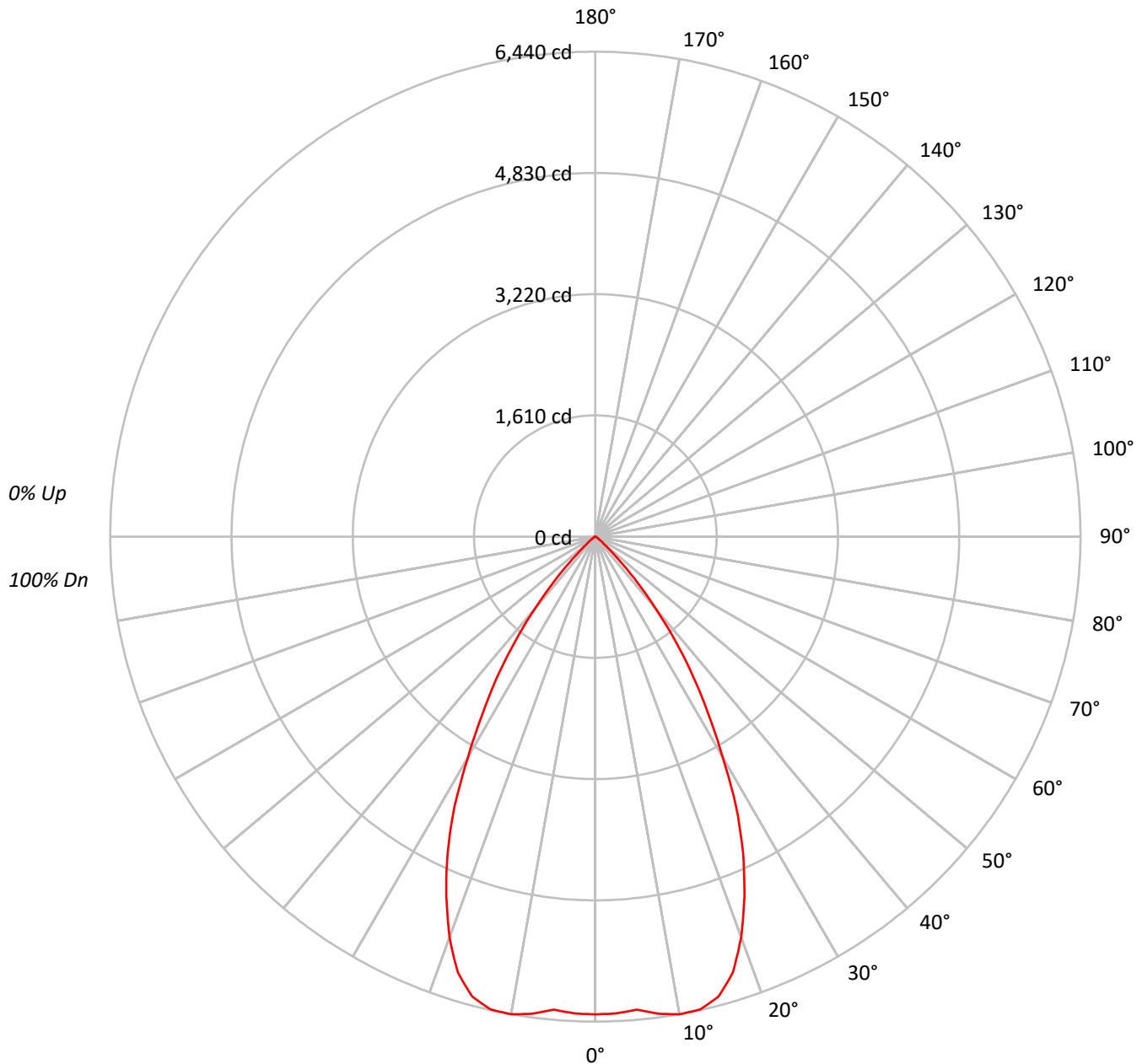


Downlight

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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					0
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	114	111	108	106	111	109	106	104		105	103	101		101	99	98		97	96	95
2	108	103	99	96	106	101	98	95		98	95	92		95	93	90		92	90	89
3	102	96	91	87	100	95	90	86		92	88	85		90	86	84		87	85	82
4	97	90	84	80	95	88	83	79		86	82	78		84	81	78		82	79	77
5	92	84	78	74	91	83	77	73		81	76	73		79	75	72		78	74	71
6	87	79	73	68	86	78	72	68		76	71	68		75	70	67		74	70	67
7	83	74	68	63	82	73	67	63		72	67	63		71	66	63		69	65	62
8	79	69	63	59	78	69	63	59		68	63	59		67	62	59		66	61	58
9	75	65	59	55	74	65	59	55		64	59	55		63	58	55		62	58	55
10	72	62	56	52	71	61	56	52		61	55	52		60	55	52		59	55	52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	693259
5°	691575
10°	714538
15°	715283
20°	658128
25°	559789
30°	426533
35°	301632
40°	177118
45°	71465
50°	23865
55°	11487
60°	4720
65°	698
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 71465 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	608.3	9.6
10°-20°	1751.8	27.6
20°-30°	2096.7	33.1
30°-40°	1402.4	22.1
40°-50°	415.8	6.6
50°-60°	59.8	0.9
60°-70°	5.7	0.1
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	4456.8	70.3
0°-40°	5859.1	92.4
0°-60°	6334.7	99.9
0°-90°	6340.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6340.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6345	
5°	6306	608
15°	6324	1752
25°	4643	2097
35°	2261	1402
45°	462	416
55°	60	60
65°	3	6
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6345.0
2.5°	6337.0
5°	6305.5
7.5°	6390.9
10°	6440.4
12.5°	6431.4
15°	6323.5
17.5°	6068.8
20°	5660.2
22.5°	5169.8
25°	4643.4
27.5°	4050.4
30°	3380.8
32.5°	2783.3
35°	2261.4
37.5°	1738.6
40°	1241.8
42.5°	818.9
45°	462.5
47.5°	236.7
50°	140.4
52.5°	90.9
55°	60.3
57.5°	38.7
60°	21.6
62.5°	9.0
65°	2.7
67.5°	0.9
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





— 0°-180°







(END OF REPORT)