

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: P750938

Luminaire Tested: LD4D60D010-EU4DR4555659040-4LBS1B

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P750938
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D60D010-EU4DR4555659040-4LBS1B
Description: 4 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 45° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6425.8 lumens
Efficiency: N/A
Efficacy: 99.8 lumens/watt
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.69
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

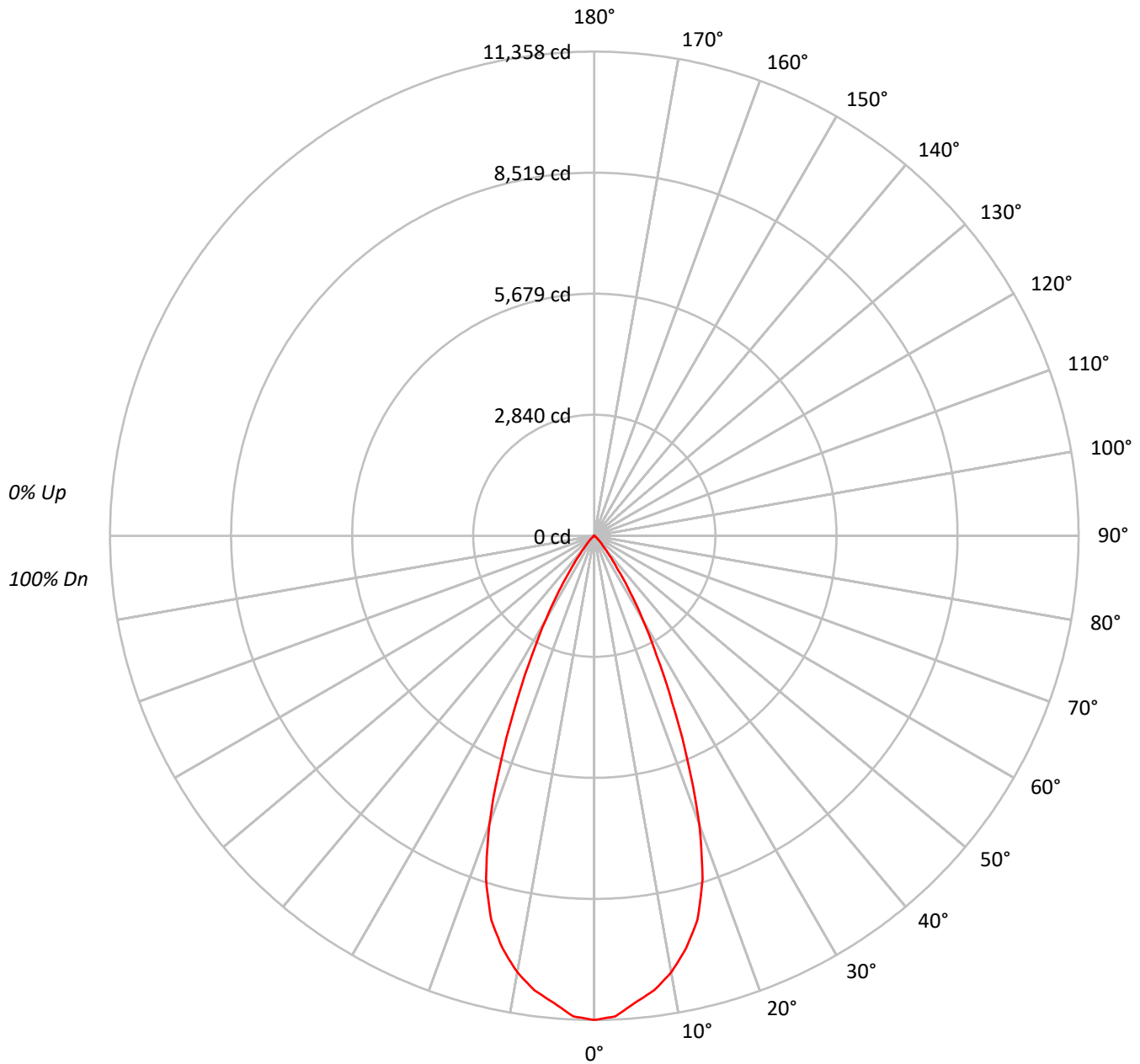


Downlight

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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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	114	112	110	108		112	110	108	106		106	104	103		102	101	100		98	98	97
2	109	105	102	99		107	103	100	98		100	98	95		97	95	93		95	93	91
3	105	99	95	91		103	98	94	91		95	92	89		93	90	88		91	89	87
4	100	94	89	85		99	93	88	85		91	87	84		89	86	83		87	84	82
5	96	89	84	80		95	88	83	80		86	82	79		85	81	79		83	80	78
6	92	85	80	76		91	84	79	76		83	78	75		81	77	75		80	77	74
7	89	81	75	72		87	80	75	72		79	74	71		78	74	71		77	73	71
8	85	77	72	68		84	76	71	68		75	71	68		74	70	67		73	70	67
9	82	73	68	65		81	73	68	65		72	68	65		71	67	64		71	67	64
10	79	70	65	62		78	70	65	62		69	65	62		68	64	61		68	64	61

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1240962
5°	1205626
10°	1153464
15°	1055658
20°	837502
25°	522863
30°	288183
35°	129408
40°	50962
45°	24012
50°	11389
55°	5962
60°	2928
65°	698
70°	288
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 24012 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1032.8	16.1
10°-20°	2542.0	39.6
20°-30°	2013.0	31.3
30°-40°	670.3	10.4
40°-50°	133.0	2.1
50°-60°	30.2	0.5
60°-70°	4.3	0.1
70°-80°	0.1	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°	5587.8	87.0
0°-40°	6258.1	97.4
0°-60°	6421.4	99.9
0°-90°	6425.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6425.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11358	
5°	10992	###
15°	9333	2542
25°	4337	2013
35°	970	670
45°	155	133
55°	31	30
65°	3	4
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	11357.8
2.5°	11283.7
5°	10992.4
7.5°	10752.1
10°	10396.6
12.5°	9923.1
15°	9332.6
17.5°	8444.7
20°	7202.9
22.5°	5723.6
25°	4337.1
27.5°	3175.8
30°	2284.2
32.5°	1553.5
35°	970.2
37.5°	575.3
40°	357.3
42.5°	234.9
45°	155.4
47.5°	100.1
50°	67.0
52.5°	44.7
55°	31.3
57.5°	20.5
60°	13.4
62.5°	7.1
65°	2.7
67.5°	0.9
70°	0.9
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



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— 0°-180°







(END OF REPORT)