

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: P751937

Luminaire Tested: LD4D65D010-EU4DR6055659035-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P751937
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: LD4D65D010-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: 7080.7 lumens
Efficiency: N/A
Efficacy: 97.3 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): 72.8
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

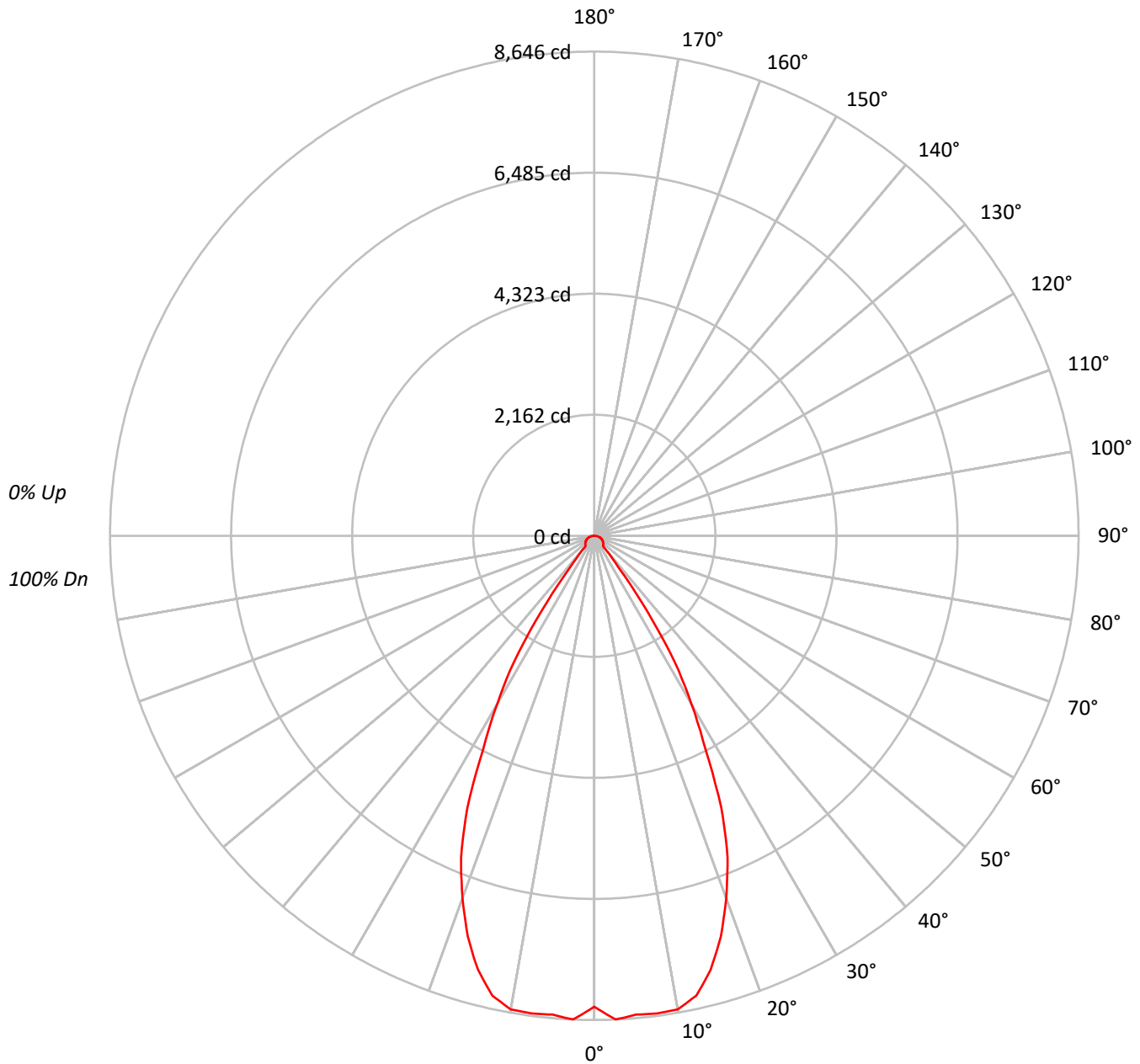


Downlight

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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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93		
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86		
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80		
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75		
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70		
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66		
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62		
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59		
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55		
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	918796
5°	941389
10°	952762
15°	907635
20°	800260
25°	647265
30°	437825
35°	219401
40°	35586
45°	34828
50°	35526
55°	36060
60°	37061
65°	37901
70°	38814
75°	39260
80°	37878
85°	31591

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 39260 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	820.3	11.6
10°-20°	2219.5	31.3
20°-30°	2388.0	33.7
30°-40°	1038.0	14.7
40°-50°	174.3	2.5
50°-60°	169.5	2.4
60°-70°	145.0	2.0
70°-80°	97.0	1.4
80°-90°	29.0	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°	5427.8	76.7
0°-40°	6465.8	91.3
0°-60°	6809.7	96.2
0°-90°	7080.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7080.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8409	
5°	8583	820
15°	8024	2219
25°	5369	2388
35°	1645	1038
45°	225	174
55°	189	170
65°	147	145
75°	93	97
85°	25	29
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8409.2
2.5°	8645.6
5°	8583.2
7.5°	8602.9
10°	8587.6
12.5°	8410.3
15°	8024.0
17.5°	7505.3
20°	6882.6
22.5°	6216.1
25°	5369.0
27.5°	4294.4
30°	3470.3
32.5°	2674.7
35°	1644.9
37.5°	703.7
40°	249.5
42.5°	229.8
45°	225.4
47.5°	217.8
50°	209.0
52.5°	199.2
55°	189.3
57.5°	179.5
60°	169.6
62.5°	158.7
65°	146.6
67.5°	134.6
70°	121.5
72.5°	107.2
75°	93.0
77.5°	76.6
80°	60.2
82.5°	42.7
85°	25.2
87.5°	8.8
90°	0.0



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— 0°-180°







(END OF REPORT)