

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: P784560

Luminaire Tested: LER4DD35BD010-EC4DR6020359050-4LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P784560
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: LER4DD35BD010-EC4DR6020359050-4LBDP1B
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: 2688.5 lumens
Efficiency: N/A
Efficacy: 87.3 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): 30.8
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

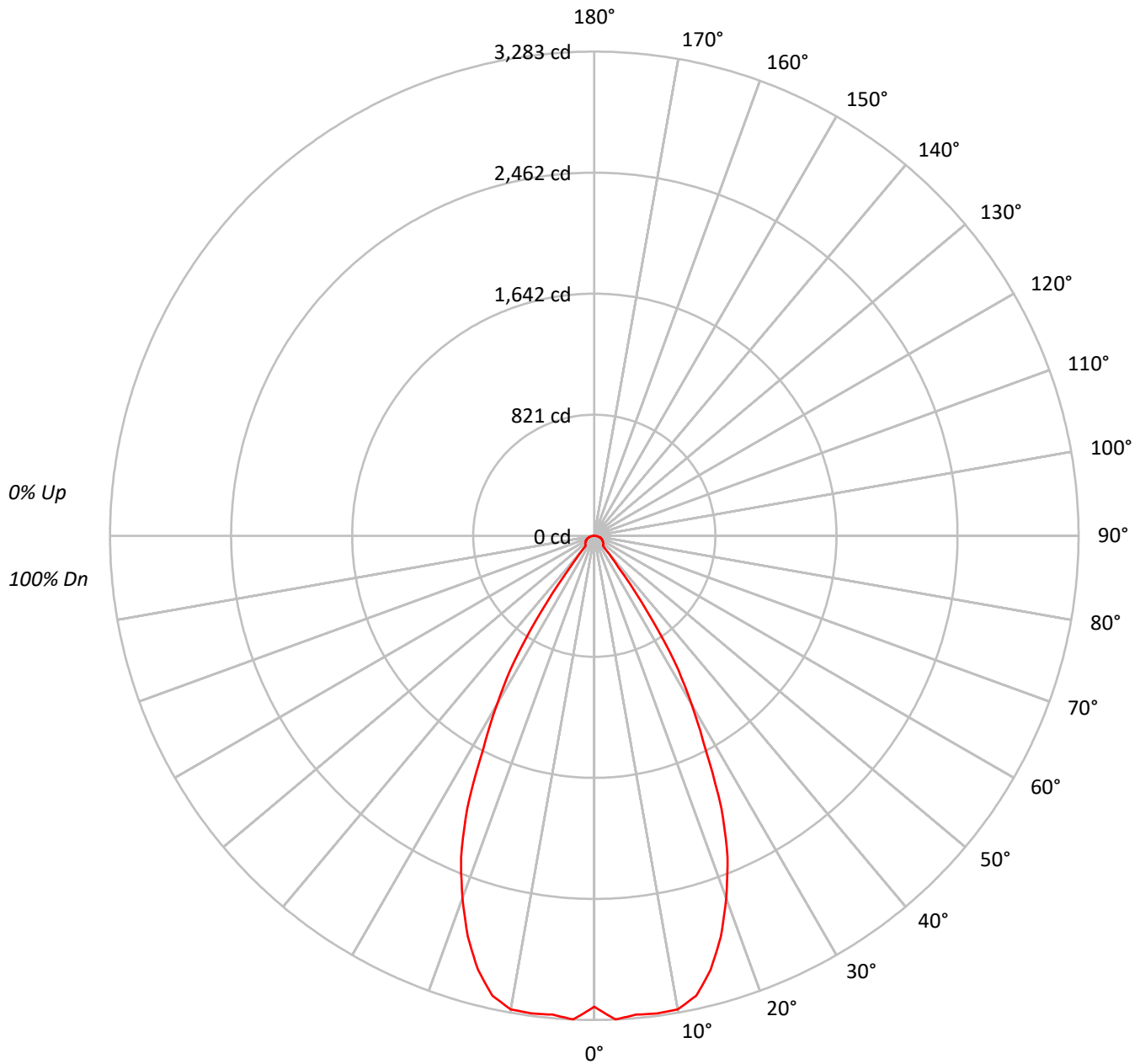


Downlight

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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°	348859
5°	357441
10°	361763
15°	344628
20°	303856
25°	245765
30°	166233
35°	83298
40°	13507
45°	13227
50°	13496
55°	13696
60°	14073
65°	14400
70°	14727
75°	14902
80°	14409
85°	12035

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 14902 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	311.5	11.6
10°-20°	842.7	31.3
20°-30°	906.7	33.7
30°-40°	394.1	14.7
40°-50°	66.2	2.5
50°-60°	64.4	2.4
60°-70°	55.1	2.0
70°-80°	36.8	1.4
80°-90°	11.0	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°	2060.9	76.7
0°-40°	2455.0	91.3
0°-60°	2585.6	96.2
0°-90°	2688.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2688.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3193	
5°	3259	311
15°	3047	843
25°	2039	907
35°	624	394
45°	86	66
55°	72	64
65°	56	55
75°	35	37
85°	10	11
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3192.9
2.5°	3282.7
5°	3259.0
7.5°	3266.5
10°	3260.7
12.5°	3193.4
15°	3046.7
17.5°	2849.7
20°	2613.3
22.5°	2360.2
25°	2038.6
27.5°	1630.5
30°	1317.6
32.5°	1015.6
35°	624.5
37.5°	267.2
40°	94.7
42.5°	87.3
45°	85.6
47.5°	82.7
50°	79.4
52.5°	75.6
55°	71.9
57.5°	68.1
60°	64.4
62.5°	60.3
65°	55.7
67.5°	51.1
70°	46.1
72.5°	40.7
75°	35.3
77.5°	29.1
80°	22.9
82.5°	16.2
85°	9.6
87.5°	3.3
90°	0.0



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— 0°-180°







(END OF REPORT)