

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: P784546

Luminaire Tested: LER4DD35BD010-EC4DR6020359027-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P784546
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-EC4DR6020359027-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3266.2 lumens
Efficiency: N/A
Efficacy: 106.0 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 (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

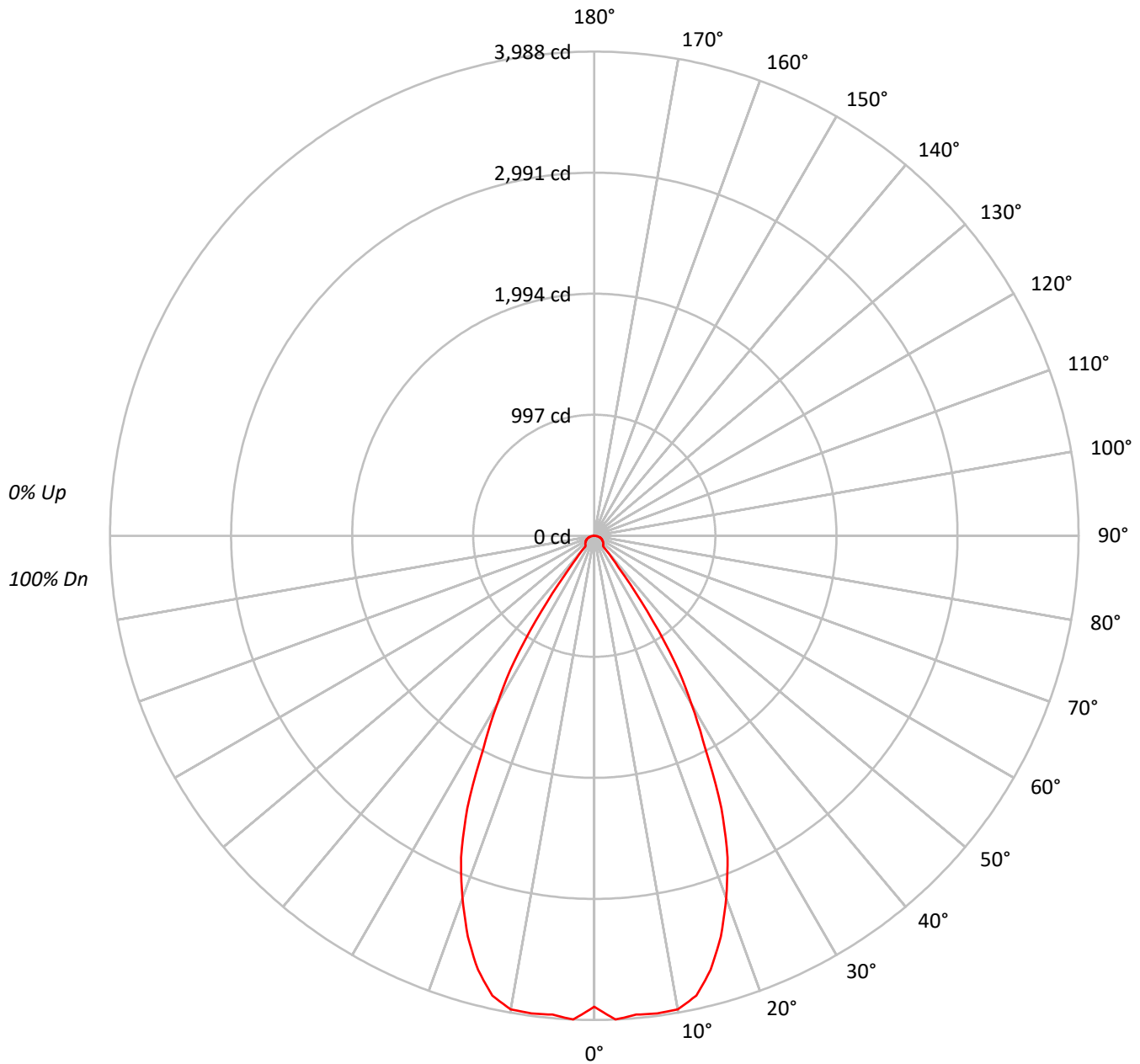


Downlight

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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	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°	423833
5°	434249
10°	439503
15°	418684
20°	369143
25°	298581
30°	201962
35°	101211
40°	16417
45°	16070
50°	16386
55°	16630
60°	17088
65°	17477
70°	17890
75°	18110
80°	17492
85°	14542

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 18110 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	378.4	11.6
10°-20°	1023.8	31.3
20°-30°	1101.5	33.7
30°-40°	478.8	14.7
40°-50°	80.4	2.5
50°-60°	78.2	2.4
60°-70°	66.9	2.0
70°-80°	44.7	1.4
80°-90°	13.4	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°	2503.8	76.7
0°-40°	2982.6	91.3
0°-60°	3141.2	96.2
0°-90°	3266.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3266.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3879	
5°	3959	378
15°	3701	1024
25°	2477	1102
35°	759	479
45°	104	80
55°	87	78
65°	68	67
75°	43	45
85°	12	13
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3879.1
2.5°	3988.1
5°	3959.3
7.5°	3968.4
10°	3961.4
12.5°	3879.6
15°	3701.4
17.5°	3462.1
20°	3174.8
22.5°	2867.4
25°	2476.7
27.5°	1980.9
30°	1600.8
32.5°	1233.8
35°	758.8
37.5°	324.6
40°	115.1
42.5°	106.0
45°	104.0
47.5°	100.5
50°	96.4
52.5°	91.9
55°	87.3
57.5°	82.8
60°	78.2
62.5°	73.2
65°	67.6
67.5°	62.1
70°	56.0
72.5°	49.5
75°	42.9
77.5°	35.3
80°	27.8
82.5°	19.7
85°	11.6
87.5°	4.0
90°	0.0



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— 0°-180°







(END OF REPORT)