

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: P784589

Luminaire Tested: LER4DD35BD010-EC4DR7020359024-4LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P784589
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER4DD35BD010-EC4DR7020359024-4LBDP1H
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2764.1 lumens
Efficiency: N/A
Efficacy: 89.7 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
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

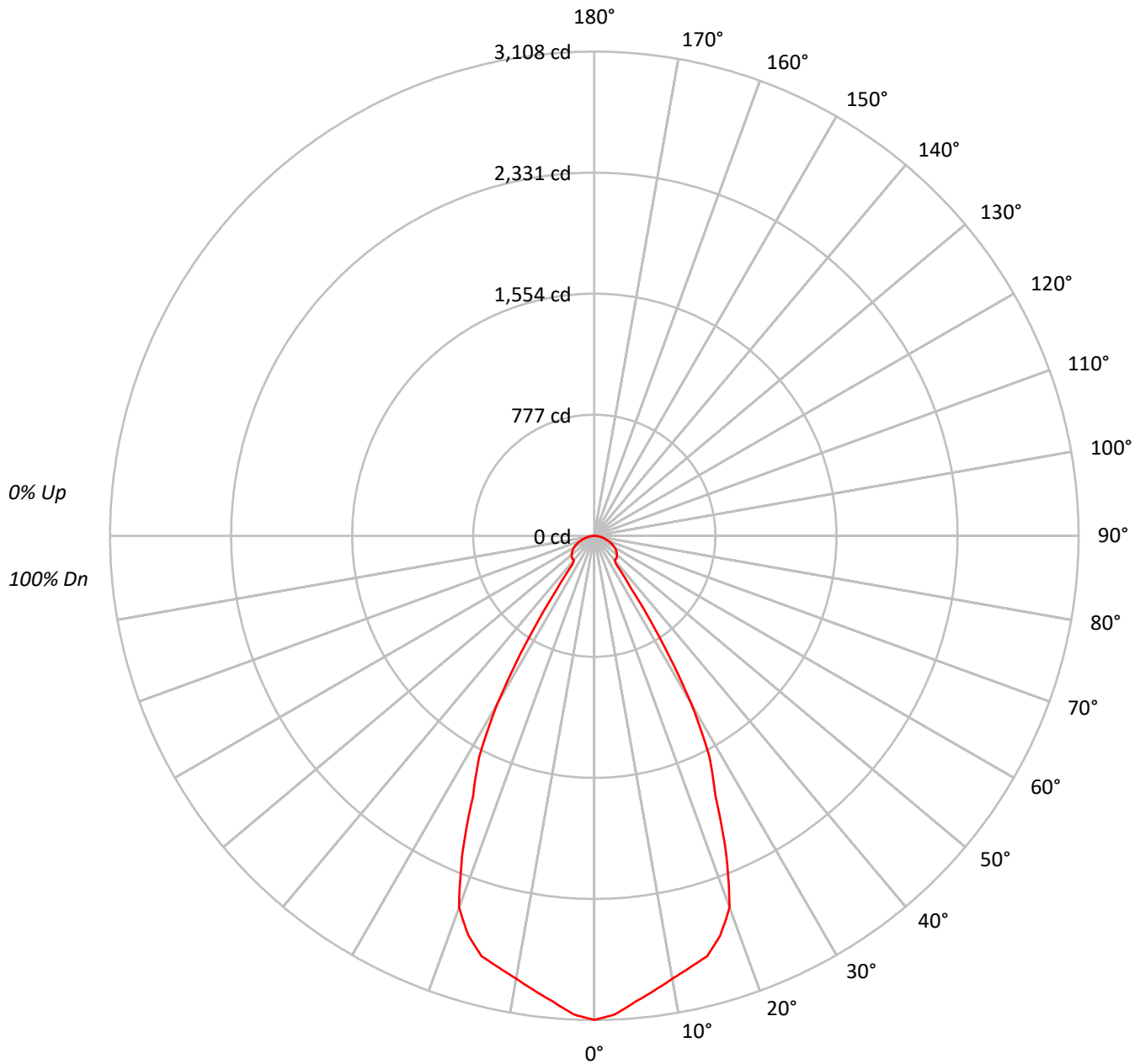


Downlight

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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	112	109	106	103	110	107	104	102	103	101	99		99	97	96		95
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89
3	100	92	87	82	98	91	86	81	88	84	80		86	82	79		83
4	94	86	80	75	92	85	79	74	82	77	73		80	76	73		78
5	89	80	74	69	87	79	73	69	77	72	68		75	71	67		74
6	85	75	68	64	83	74	68	64	73	67	63		71	66	63		70
7	80	70	64	59	79	70	64	59	68	63	59		67	62	59		66
8	77	66	60	56	75	66	60	56	65	59	55		64	59	55		63
9	73	63	57	52	72	62	56	52	61	56	52		60	55	52		60
10	70	59	53	49	69	59	53	49	58	53	49		57	52	49		57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	339539
5°	329451
10°	320269
15°	316066
20°	295147
25°	221726
30°	156745
35°	55527
40°	29196
45°	31089
50°	32194
55°	32802
60°	33019
65°	32317
70°	30508
75°	28242
80°	25105
85°	20309

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 33024 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	283.3	10.3
10°-20°	777.1	28.1
20°-30°	855.9	31.0
30°-40°	327.0	11.8
40°-50°	154.4	5.6
50°-60°	153.5	5.6
60°-70°	122.9	4.4
70°-80°	70.6	2.6
80°-90°	19.2	0.7
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°	1916.4	69.3
0°-40°	2243.4	81.2
0°-60°	2551.4	92.3
0°-90°	2764.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2764.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3108	
5°	3004	283
15°	2794	777
25°	1839	856
35°	416	327
45°	201	154
55°	172	154
65°	125	123
75°	67	71
85°	16	19
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3107.6
2.5°	3075.2
5°	3003.8
7.5°	2944.3
10°	2886.7
12.5°	2838.0
15°	2794.2
17.5°	2688.4
20°	2538.4
22.5°	2214.6
25°	1839.2
27.5°	1601.0
30°	1242.4
32.5°	802.5
35°	416.3
37.5°	224.9
40°	204.7
42.5°	203.2
45°	201.2
47.5°	196.8
50°	189.4
52.5°	181.1
55°	172.2
57.5°	162.4
60°	151.1
62.5°	138.3
65°	125.0
67.5°	110.2
70°	95.5
72.5°	80.7
75°	66.9
77.5°	52.6
80°	39.9
82.5°	28.0
85°	16.2
87.5°	6.4
90°	0.0



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— 0°-180°







(END OF REPORT)