

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: P784541

Luminaire Tested: LER4DD35BD010-EC4DR6020359024-4LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P784541
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-EC4DR6020359024-4LBDP1H
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2746.1 lumens
Efficiency: N/A
Efficacy: 89.2 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

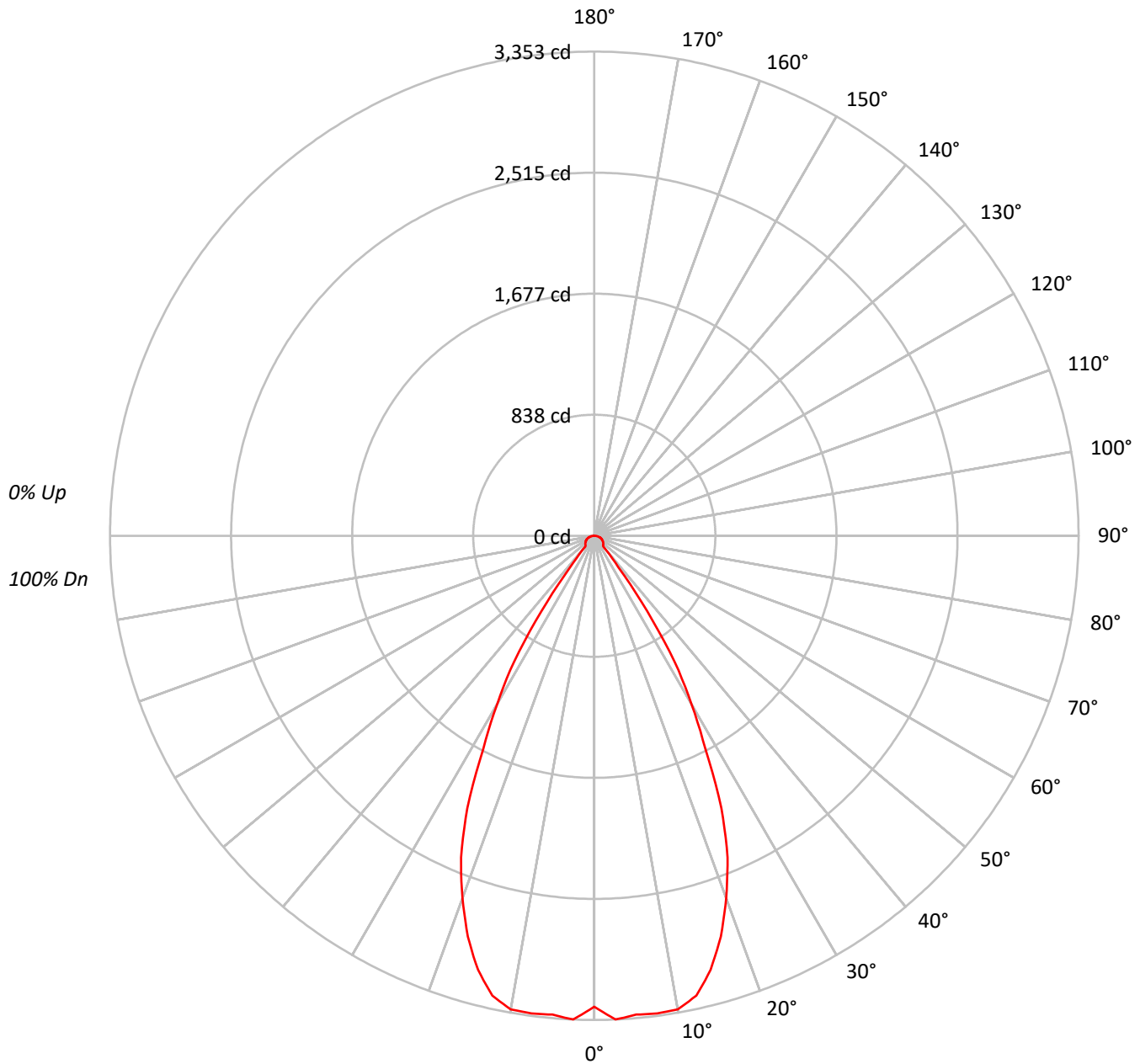


Downlight

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	356332
5°	365097
10°	369507
15°	352003
20°	310356
25°	251022
30°	169803
35°	85085
40°	13807
45°	13505
50°	13785
55°	13982
60°	14379
65°	14711
70°	15046
75°	15240
80°	14661
85°	12286

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 15240 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	318.1	11.6
10°-20°	860.8	31.3
20°-30°	926.1	33.7
30°-40°	402.6	14.7
40°-50°	67.6	2.5
50°-60°	65.7	2.4
60°-70°	56.2	2.0
70°-80°	37.6	1.4
80°-90°	11.3	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°	2105.0	76.7
0°-40°	2507.6	91.3
0°-60°	2641.0	96.2
0°-90°	2746.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2746.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3261	
5°	3329	318
15°	3112	861
25°	2082	926
35°	638	403
45°	87	68
55°	73	66
65°	57	56
75°	36	38
85°	10	11
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3261.3
2.5°	3353.0
5°	3328.8
7.5°	3336.4
10°	3330.5
12.5°	3261.7
15°	3111.9
17.5°	2910.7
20°	2669.2
22.5°	2410.8
25°	2082.2
27.5°	1665.5
30°	1345.9
32.5°	1037.3
35°	637.9
37.5°	272.9
40°	96.8
42.5°	89.1
45°	87.4
47.5°	84.5
50°	81.1
52.5°	77.2
55°	73.4
57.5°	69.6
60°	65.8
62.5°	61.5
65°	56.9
67.5°	52.2
70°	47.1
72.5°	41.6
75°	36.1
77.5°	29.7
80°	23.3
82.5°	16.6
85°	9.8
87.5°	3.4
90°	0.0



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— 0°-180°







(END OF REPORT)