

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: P784482

Luminaire Tested: LER4DD35BD010-EC4DR4520359035-4LBDP1LI

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P784482
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER4DD35BD010-EC4DR4520359035-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 45° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3472.8 lumens
Efficiency: N/A
Efficacy: 112.8 lumens/watt
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.69
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

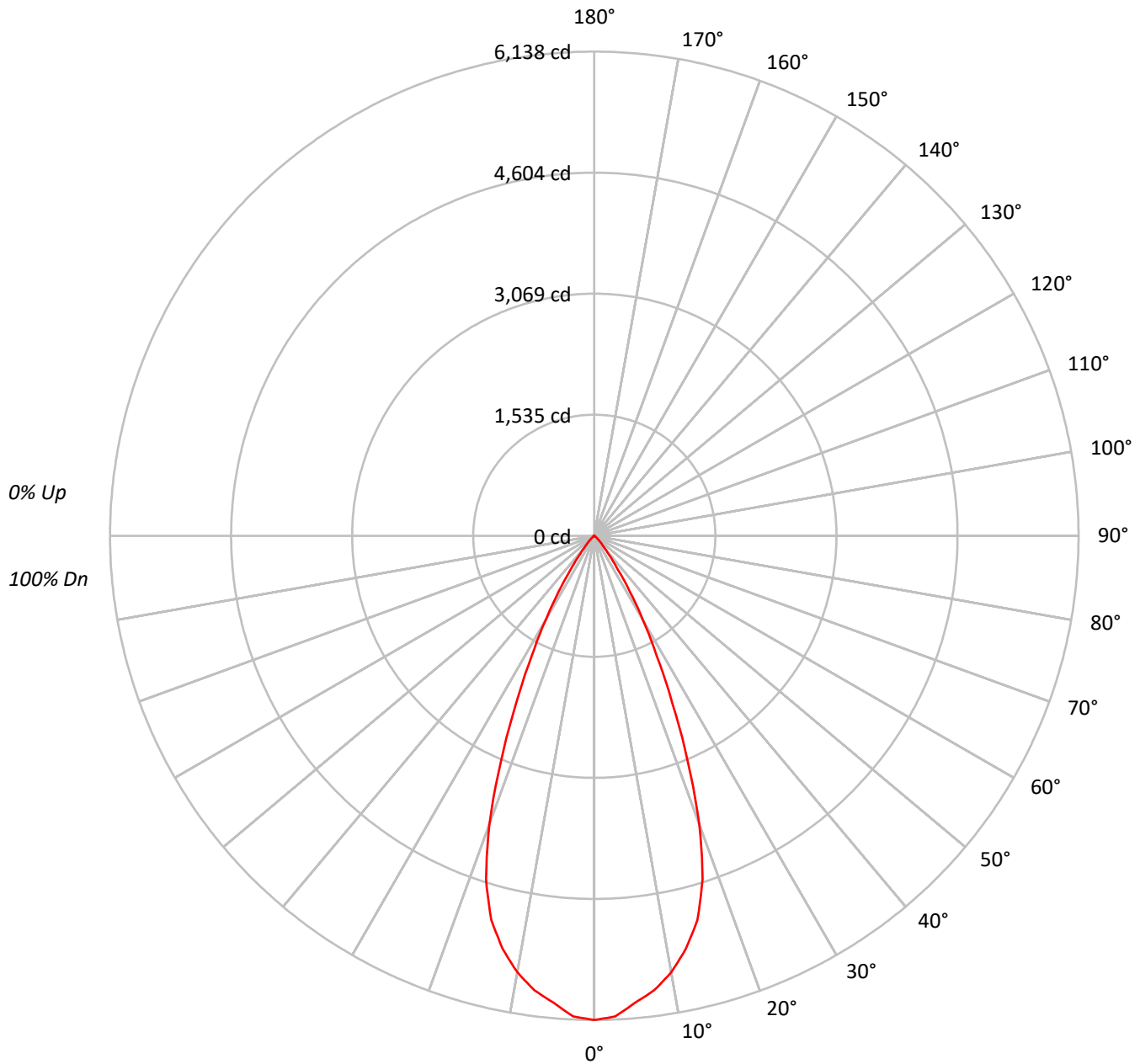


Downlight

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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					0
RW	70	50	30	10	70	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
1	114	112	110	108	112	110	108	106		106	104	103		102	101	100		98	98	97
2	109	105	102	99	107	103	100	98		100	98	95		97	95	93		95	93	91
3	105	99	95	91	103	98	94	91		95	92	89		93	90	88		91	89	87
4	100	94	89	85	99	93	88	85		91	87	84		89	86	83		87	84	82
5	96	89	84	80	95	88	83	80		86	82	79		85	81	79		83	80	78
6	92	85	80	76	91	84	79	76		83	78	75		81	77	75		80	77	74
7	89	81	75	72	87	80	75	72		79	74	71		78	74	71		77	73	71
8	85	77	72	68	84	76	71	68		75	71	68		74	70	67		73	70	67
9	82	73	68	65	81	73	68	65		72	68	65		71	67	64		71	67	64
10	79	70	65	62	78	70	65	62		69	65	62		68	64	61		68	64	61

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	670675
5°	651587
10°	623385
15°	570530
20°	452627
25°	282583
30°	155749
35°	69933
40°	27542
45°	12980
50°	6153
55°	3219
60°	1573
65°	362
70°	160
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 12980 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	558.2	16.1
10°-20°	1373.8	39.6
20°-30°	1087.9	31.3
30°-40°	362.3	10.4
40°-50°	71.9	2.1
50°-60°	16.3	0.5
60°-70°	2.4	0.1
70°-80°	0.1	0.0
80°-90°	0.0	0.0
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°	3019.9	87.0
0°-40°	3382.2	97.4
0°-60°	3470.4	99.9
0°-90°	3472.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3472.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6138	
5°	5941	558
15°	5044	1374
25°	2344	1088
35°	524	362
45°	84	72
55°	17	16
65°	1	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6138.3
2.5°	6098.3
5°	5940.9
7.5°	5811.0
10°	5618.8
12.5°	5363.0
15°	5043.8
17.5°	4563.9
20°	3892.8
22.5°	3093.3
25°	2344.0
27.5°	1716.4
30°	1234.5
32.5°	839.6
35°	524.3
37.5°	310.9
40°	193.1
42.5°	127.0
45°	84.0
47.5°	54.1
50°	36.2
52.5°	24.1
55°	16.9
57.5°	11.1
60°	7.2
62.5°	3.9
65°	1.4
67.5°	0.5
70°	0.5
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)