

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: PORTFOLIO

Report Number: P857800

Luminaire Tested: **LX4C35D010 EX4C359050 4LBMDLI**

Issue Date: 2/18/2022



Test Information

Test Method: LM-79-08
Report Number: P857800
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-8)
Test Lab: INNOVATION CENTER
Issue Date: 2/18/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX4C35D010 EX4C359050 4LBMDLI
Description: 4 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 4LRMD45 TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

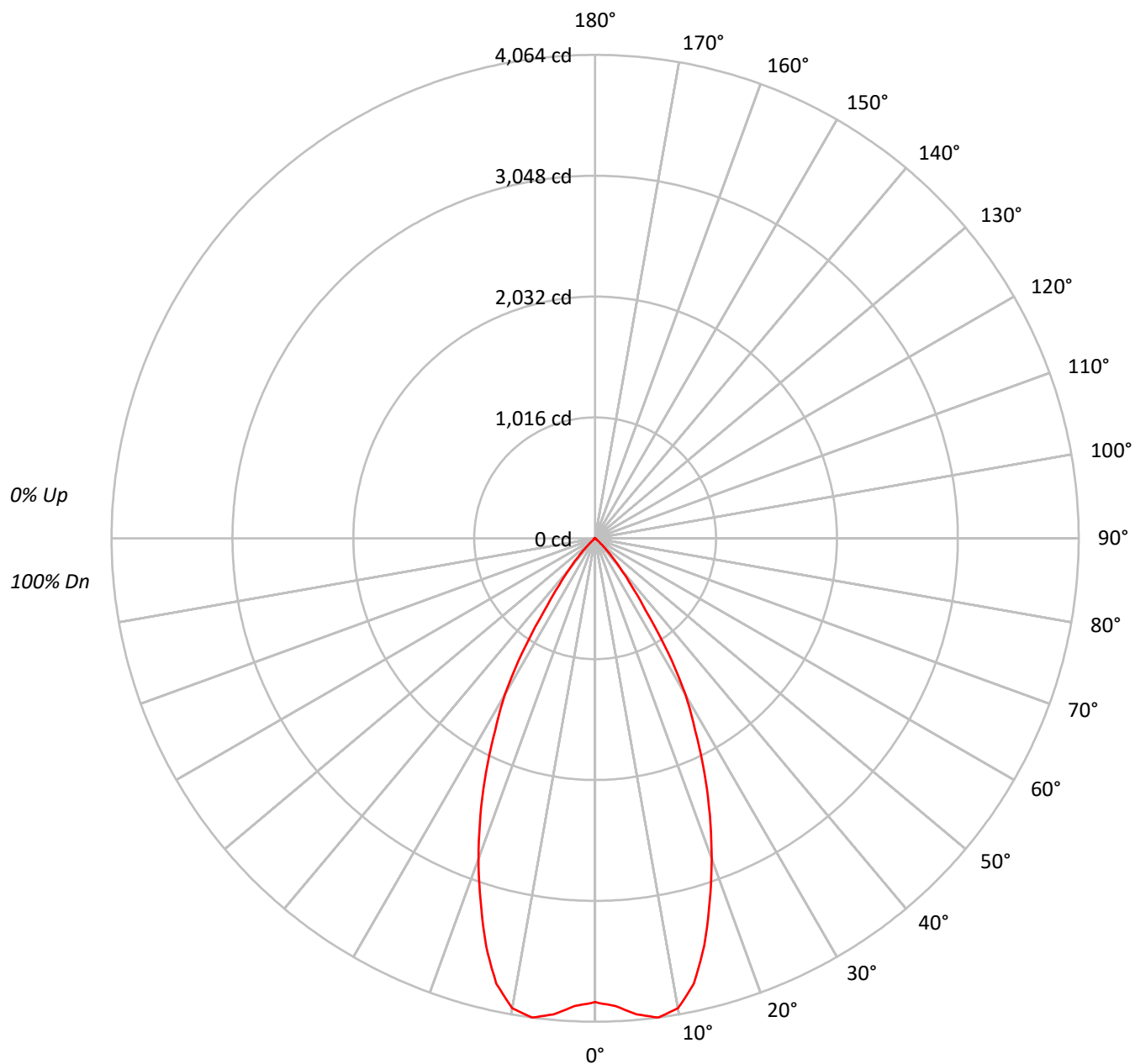
Lumens per Lamp: N/A
Luminaire Lumens: 2969.0 lumens
Efficiency: N/A
Efficacy: 73.5 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.82
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 40.4
Input Voltage (V):
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: 25 FT

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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
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	114	111	109	107		111	109	107	105		105	103	102		101	100	99		98	97	96
2	109	104	100	97		107	102	99	96		99	96	94		96	94	92		94	92	90
3	104	98	93	89		102	96	92	89		94	90	87		91	88	86		89	87	85
4	99	92	87	83		97	91	86	82		89	85	81		87	83	80		85	82	79
5	94	87	81	77		93	86	81	77		84	79	76		82	78	75		81	77	75
6	90	82	76	72		89	81	76	72		80	75	71		78	74	71		77	73	70
7	86	77	72	68		85	77	71	68		75	71	67		74	70	67		73	69	67
8	82	73	68	64		81	73	67	64		72	67	63		71	66	63		70	66	63
9	79	70	64	60		78	69	64	60		68	63	60		67	63	60		66	63	60
10	75	66	61	57		74	66	61	57		65	60	57		64	60	57		63	59	57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	479079
5°	495400
10°	500417
15°	450777
20°	374616
25°	293908
30°	215087
35°	111148
40°	52795
45°	18573
50°	4186
55°	2720
60°	1917
65°	1453
70°	1006
75°	665
80°	495
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	383.7	12.9
10°-20°	976.2	32.9
20°-30°	987.8	33.3
30°-40°	503.6	17.0
40°-50°	98.7	3.3
50°-60°	11.9	0.4
60°-70°	5.0	0.2
70°-80°	1.8	0.1
80°-90°	0.3	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°	2347.7	79.1
0°-40°	2851.3	96.0
0°-60°	2962.0	99.8
0°-90°	2969.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2969.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3900	
5°	4017	384
15°	3544	976
25°	2168	988
35°	741	504
45°	107	99
55°	13	12
65°	5	5
75°	1	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3899.6
2.5°	3935.7
5°	4017.1
7.5°	4063.8
10°	4011.4
12.5°	3835.1
15°	3544.2
17.5°	3200.9
20°	2865.4
22.5°	2517.8
25°	2168.2
27.5°	1819.9
30°	1516.2
32.5°	1142.5
35°	741.1
37.5°	496.2
40°	329.2
42.5°	206.7
45°	106.9
47.5°	38.2
50°	21.9
52.5°	16.3
55°	12.7
57.5°	9.9
60°	7.8
62.5°	6.4
65°	5.0
67.5°	3.5
70°	2.8
72.5°	2.1
75°	1.4
77.5°	1.4
80°	0.7
82.5°	0.7
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)