

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: P857757

Luminaire Tested: **LX4C35D010 EX4C359035 4LBMDH**

Issue Date: 2/18/2022



Test Information

Test Method: LM-79-08
Report Number: P857757
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-9)
Test Lab: INNOVATION CENTER
Issue Date: 2/18/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX4C35D010 EX4C359035 4LBMDH
Description: 4 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 4LRMD45 TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

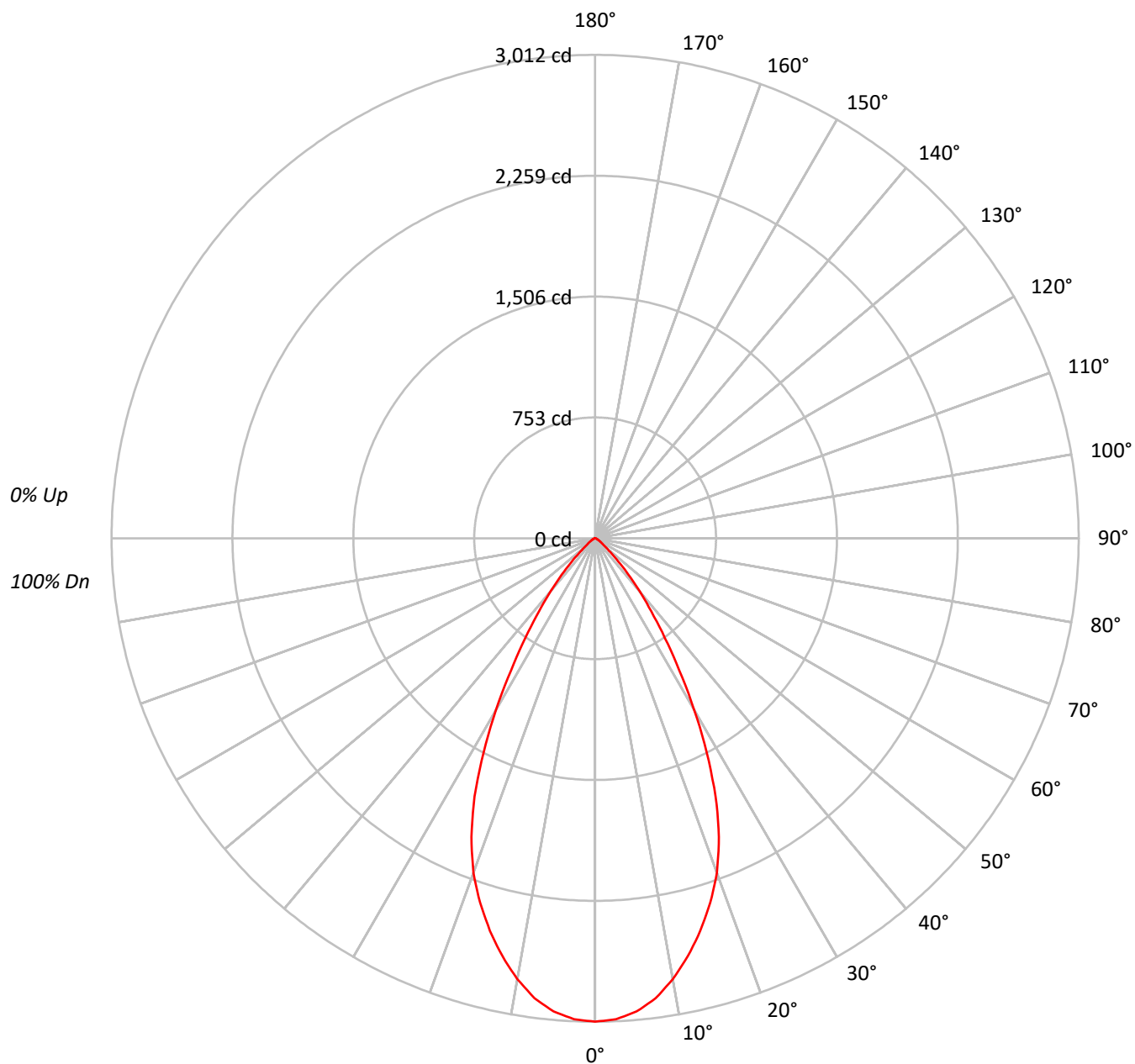
Lumens per Lamp: N/A
Luminaire Lumens: 2500.0 lumens
Efficiency: N/A
Efficacy: 61.9 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.83
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P857757

CATALOG NUMBER: LX4C35D010 EX4C359035 4LBMDH

Luminous Intensity Polar Plot





TEST NUMBER: P857757

CATALOG NUMBER: LX4C35D010 EX4C359035 4LBMDH

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	111	108	106	111	109	106	104	104	103	101		101	99	98		97
2	108	103	99	95	106	101	97	94	98	95	92		95	92	90		92
3	102	96	91	87	100	94	90	86	92	88	85		89	86	83		87
4	97	90	84	80	95	88	83	79	86	82	78		84	80	77		82
5	92	84	78	74	91	83	77	73	81	76	73		79	75	72		78
6	88	79	73	68	86	78	72	68	76	71	68		75	71	67		74
7	83	74	68	64	82	73	68	64	72	67	63		71	66	63		70
8	79	70	64	60	78	69	63	60	68	63	59		67	62	59		66
9	76	66	60	56	74	65	60	56	64	59	56		64	59	56		63
10	72	62	57	53	71	62	56	53	61	56	53		60	56	52		60

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	370010
5°	365011
10°	347887
15°	321924
20°	289794
25°	240744
30°	175011
35°	113442
40°	68656
45°	35374
50°	16016
55°	9638
60°	6462
65°	4622
70°	3484
75°	2278
80°	1486
85°	987



TEST NUMBER: P857757

CATALOG NUMBER: LX4C35D010 EX4C359035 4LBMDH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	277.1	11.1
10°-20°	706.3	28.3
20°-30°	798.7	31.9
30°-40°	482.7	19.3
40°-50°	169.1	6.8
50°-60°	43.3	1.7
60°-70°	16.6	0.7
70°-80°	5.6	0.2
80°-90°	0.9	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°	1782.0	71.3
0°-40°	2264.7	90.6
0°-60°	2477.0	99.1
0°-90°	2500.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2500.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3012	
5°	2960	277
15°	2531	706
25°	1776	799
35°	756	483
45°	204	169
55°	45	43
65°	16	17
75°	5	6
85°	1	1
90°	0	



TEST NUMBER: P857757

CATALOG NUMBER: LX4C35D010 EX4C359035 4LBMDH

CANDELA DISTRIBUTION (FULL):

	0°
0°	3011.8
2.5°	2999.3
5°	2959.8
7.5°	2889.9
10°	2788.7
12.5°	2666.8
15°	2531.1
17.5°	2382.1
20°	2216.6
22.5°	2013.6
25°	1776.0
27.5°	1503.8
30°	1233.7
32.5°	975.3
35°	756.4
37.5°	573.5
40°	428.1
42.5°	307.5
45°	203.6
47.5°	125.4
50°	83.8
52.5°	60.3
55°	45.0
57.5°	34.6
60°	26.3
62.5°	20.8
65°	15.9
67.5°	12.5
70°	9.7
72.5°	6.9
75°	4.8
77.5°	3.5
80°	2.1
82.5°	1.4
85°	0.7
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)