

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: P858809

Luminaire Tested: **LX4C05D010 EX4C059035 4LBMDH**

Issue Date: 2/18/2022



Test Information

Test Method: LM-79-08
Report Number: P858809
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: LX4C05D010 EX4C059035 4LBMDH
Description: 4 INCH 500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS AND 4LRMD45 TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

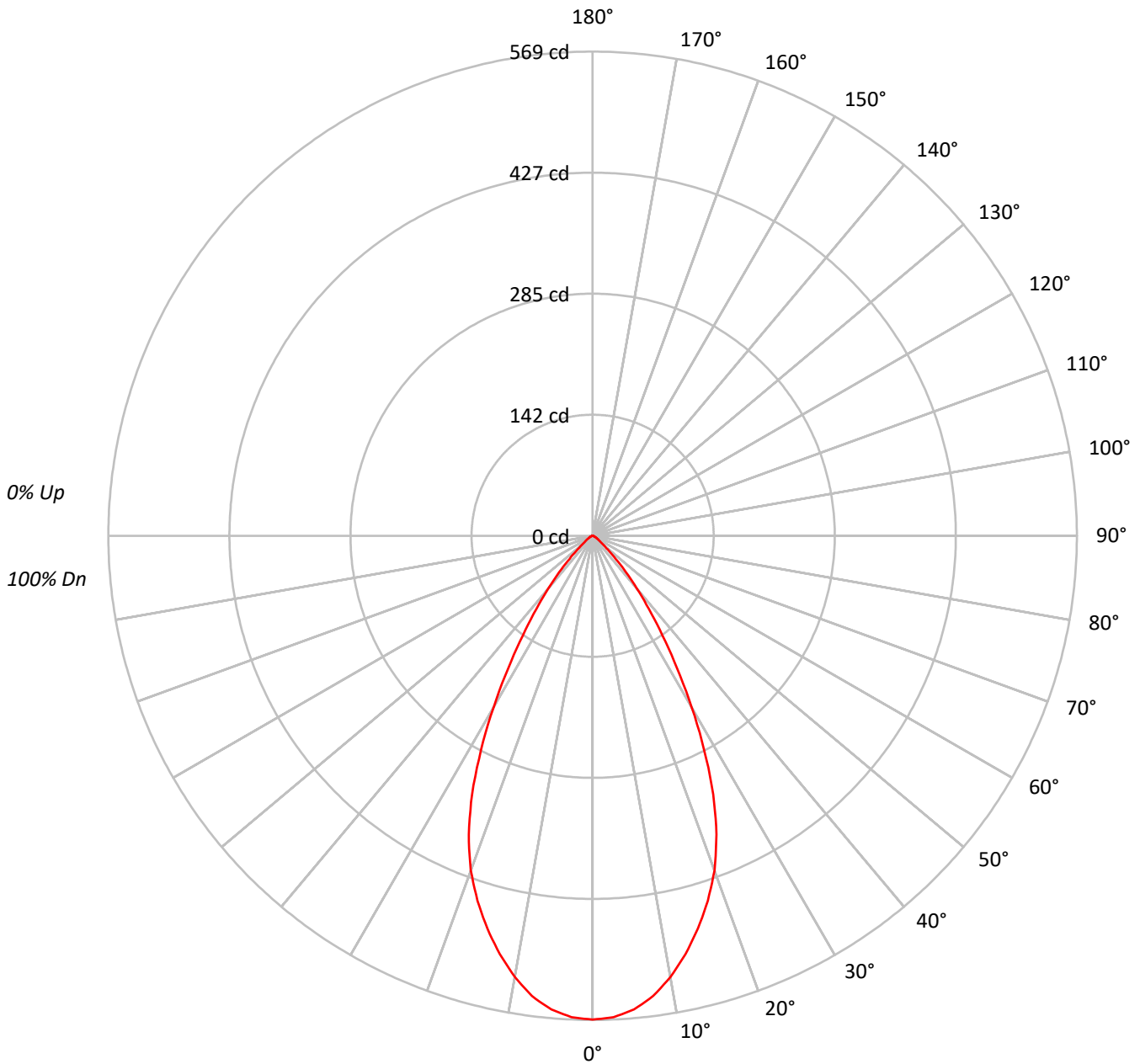
Lumens per Lamp: N/A
Luminaire Lumens: 472.0 lumens
Efficiency: N/A
Efficacy: 65.6 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.83
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
Input Voltage (V):
Input Current (A_{in}): 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: P858809

CATALOG NUMBER: LX4C05D010 EX4C059035 4LBMDH

Luminous Intensity Polar Plot





TEST NUMBER: P858809

CATALOG NUMBER: LX4C05D010 EX4C059035 4LBMDH

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	113	111	108	106	111	109	106	104	104	103	101	101	99	98	97	96	95	93			
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87			
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	81			
4	97	90	84	80	95	88	83	79	86	82	78	84	80	77	82	79	77	75			
5	92	84	78	74	91	83	77	73	81	76	73	79	75	72	78	74	71	70			
6	88	79	73	68	86	78	72	68	76	71	68	75	71	67	74	70	67	65			
7	83	74	68	64	82	73	68	64	72	67	63	71	66	63	70	66	63	61			
8	79	70	64	60	78	69	63	60	68	63	59	67	62	59	66	62	59	57			
9	76	66	60	56	74	65	60	56	64	59	56	64	59	56	63	58	55	54			
10	72	62	57	53	71	62	56	53	61	56	53	60	56	52	60	55	52	51			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	69854
5°	68913
10°	65680
15°	60783
20°	54714
25°	45451
30°	33039
35°	21417
40°	12958
45°	6672
50°	3020
55°	1821
60°	1229
65°	872
70°	647
75°	427
80°	283
85°	141



TEST NUMBER: P858809

CATALOG NUMBER: LX4C05D010 EX4C059035 4LBMDH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.3	11.1
10°-20°	133.3	28.3
20°-30°	150.8	31.9
30°-40°	91.1	19.3
40°-50°	31.9	6.8
50°-60°	8.2	1.7
60°-70°	3.1	0.7
70°-80°	1.1	0.2
80°-90°	0.2	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°	336.4	71.3
0°-40°	427.6	90.6
0°-60°	467.6	99.1
0°-90°	472.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	472.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	569	
5°	559	52
15°	478	133
25°	335	151
35°	143	91
45°	38	32
55°	8	8
65°	3	3
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P858809

CATALOG NUMBER: LX4C05D010 EX4C059035 4LBMDH

CANDELA DISTRIBUTION (FULL):

	0°
0°	568.6
2.5°	566.3
5°	558.8
7.5°	545.6
10°	526.5
12.5°	503.5
15°	477.9
17.5°	449.7
20°	418.5
22.5°	380.2
25°	335.3
27.5°	283.9
30°	232.9
32.5°	184.1
35°	142.8
37.5°	108.3
40°	80.8
42.5°	58.1
45°	38.4
47.5°	23.7
50°	15.8
52.5°	11.4
55°	8.5
57.5°	6.5
60°	5.0
62.5°	3.9
65°	3.0
67.5°	2.4
70°	1.8
72.5°	1.3
75°	0.9
77.5°	0.7
80°	0.4
82.5°	0.3
85°	0.1
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)