

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: P858190

Luminaire Tested: **LX4C45D010 EX4C459050 4LBMDH**

Issue Date: 2/18/2022



Test Information

Test Method: LM-79-08
Report Number: P858190
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: LX4C45D010 EX4C459050 4LBMDH
Description: 4 INCH 4500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 4LRMD45 TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

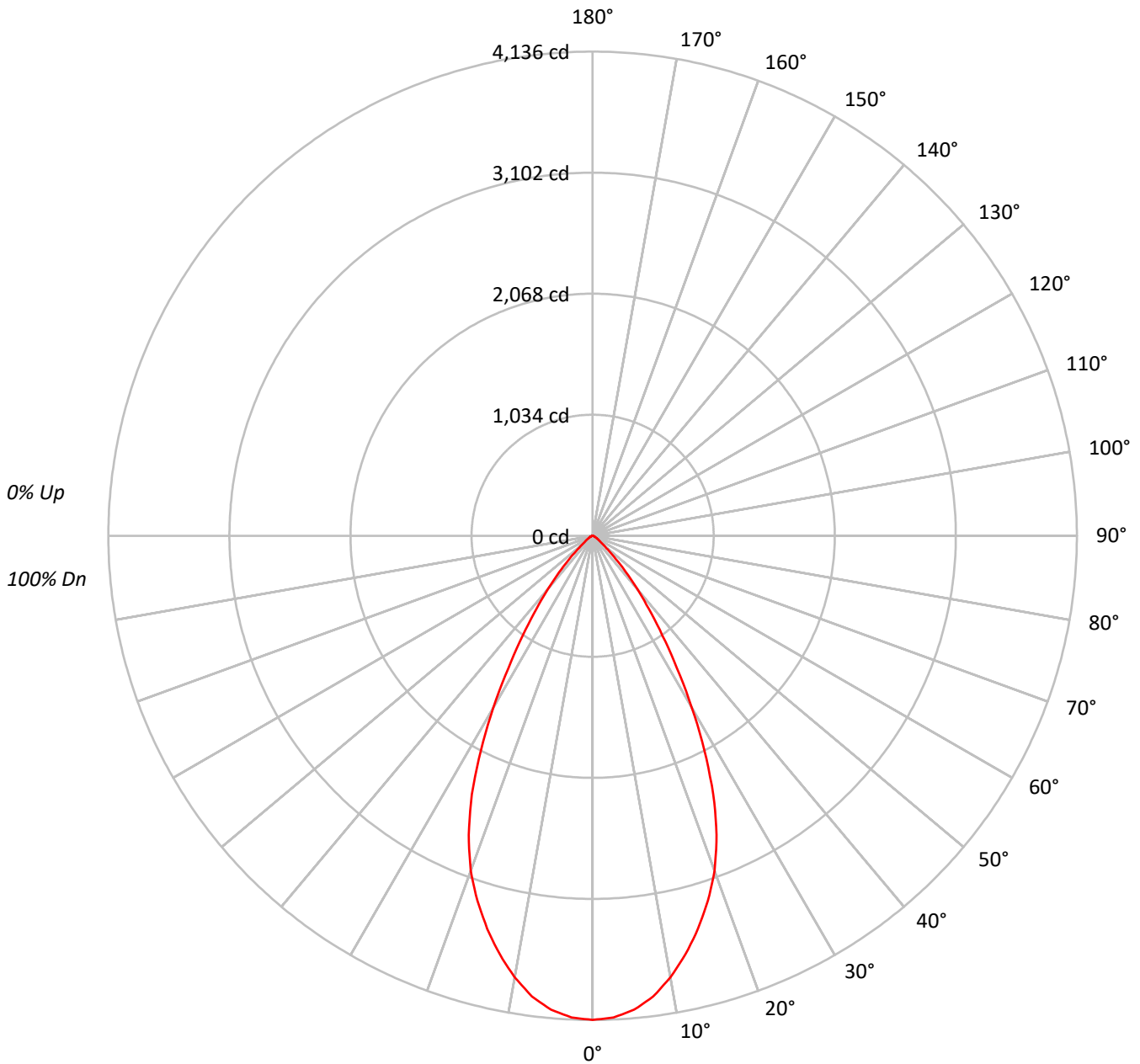
Lumens per Lamp: N/A
Luminaire Lumens: 3433.0 lumens
Efficiency: N/A
Efficacy: 69.2 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.83
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 49.6
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: P858190

CATALOG NUMBER: LX4C45D010 EX4C459050 4LBMDH

Luminous Intensity Polar Plot





TEST NUMBER: P858190

CATALOG NUMBER: LX4C45D010 EX4C459050 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°	508097
5°	501233
10°	477725
15°	442052
20°	397940
25°	330589
30°	240323
35°	155780
40°	94268
45°	48578
50°	21999
55°	13237
60°	8870
65°	6366
70°	4777
75°	3180
80°	2052
85°	1410



TEST NUMBER: P858190

CATALOG NUMBER: LX4C45D010 EX4C459050 4LBMDH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	380.5	11.1
10°-20°	969.9	28.3
20°-30°	1096.7	31.9
30°-40°	662.8	19.3
40°-50°	232.2	6.8
50°-60°	59.4	1.7
60°-70°	22.7	0.7
70°-80°	7.7	0.2
80°-90°	1.2	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°	2447.1	71.3
0°-40°	3109.9	90.6
0°-60°	3401.4	99.1
0°-90°	3433.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3433.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4136	
5°	4064	380
15°	3476	970
25°	2439	1097
35°	1039	663
45°	280	232
55°	62	59
65°	22	23
75°	7	8
85°	1	1
90°	0	



TEST NUMBER: P858190

CATALOG NUMBER: LX4C45D010 EX4C459050 4LBMDH

CANDELA DISTRIBUTION (FULL):

0°	
0°	4135.8
2.5°	4118.6
5°	4064.4
7.5°	3968.4
10°	3829.5
12.5°	3662.1
15°	3475.6
17.5°	3271.1
20°	3043.8
22.5°	2765.1
25°	2438.8
27.5°	2065.0
30°	1694.1
32.5°	1339.3
35°	1038.7
37.5°	787.6
40°	587.8
42.5°	422.3
45°	279.6
47.5°	172.2
50°	115.1
52.5°	82.8
55°	61.8
57.5°	47.6
60°	36.1
62.5°	28.5
65°	21.9
67.5°	17.1
70°	13.3
72.5°	9.5
75°	6.7
77.5°	4.8
80°	2.9
82.5°	1.9
85°	1.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)