

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: P858192

Luminaire Tested: **LX4C45D010 EX4C459050 4LBMH**

Issue Date: 2/8/2022

Test Information

Test Method: LM-79-08
Report Number: P858192
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P206636)
Test Lab: INNOVATION CENTER
Issue Date: 2/8/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX4C45D010 EX4C459050 4LBMH
Description: 4 INCH 4500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 4LBM TRIM WITH H FINISH
Light Source: -
Ballast/Driver:

Summary

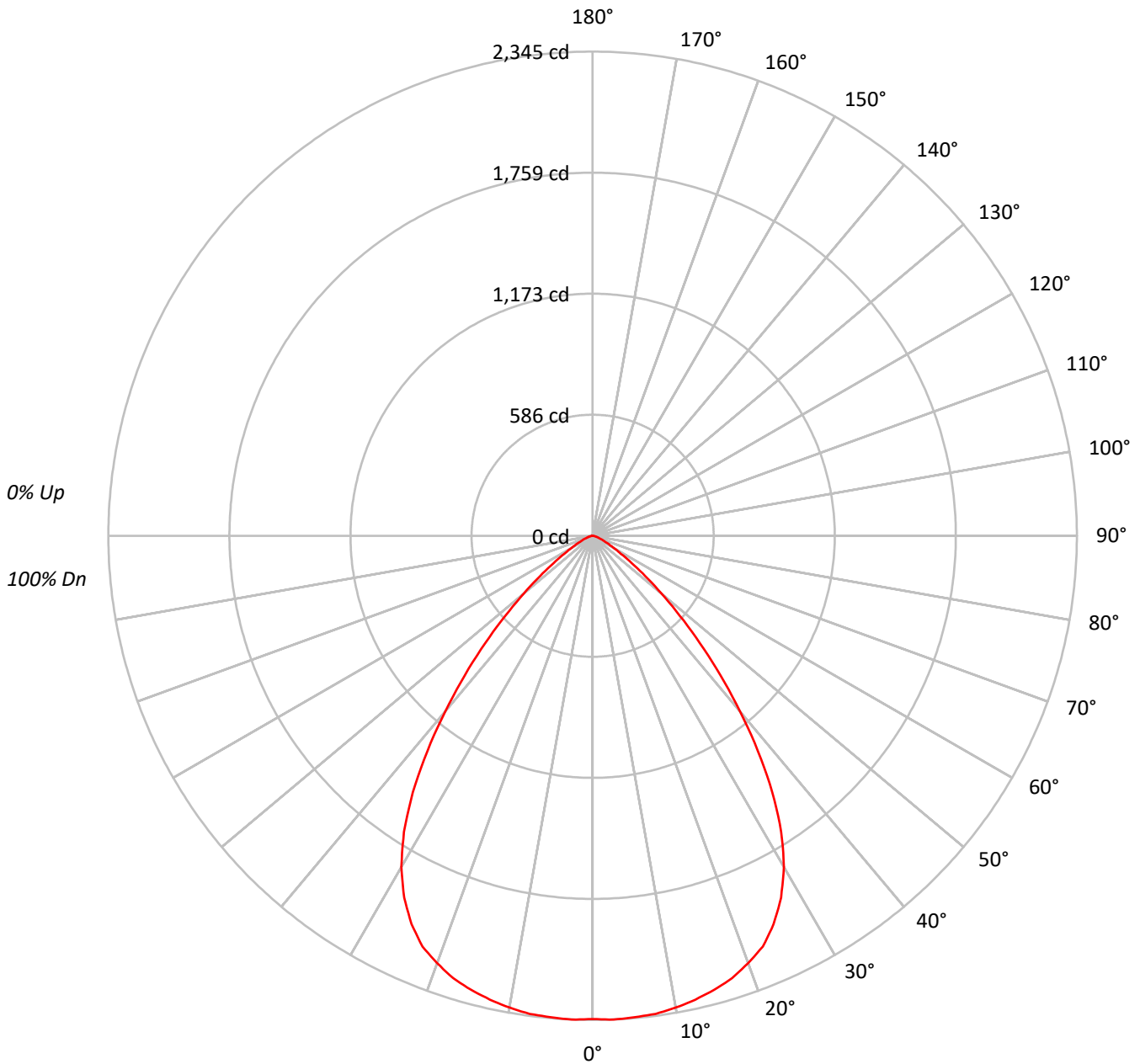
Lumens per Lamp: N/A
Luminaire Lumens: 3631.0 lumens
Efficiency: N/A
Efficacy: 73.2 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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

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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			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	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91			
2	105	100	95	91	103	98	93	90	95	91	88	91	88	86	89	86	84	82			
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74			
4	92	83	77	72	90	82	76	71	80	75	70	78	73	70	76	72	69	67			
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	62	61			
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55			
7	76	65	58	53	75	65	58	53	63	57	53	62	56	52	61	56	52	50			
8	72	60	53	49	70	60	53	49	59	53	48	58	52	48	57	52	48	46			
9	68	56	49	45	66	56	49	45	55	49	44	54	48	44	53	48	44	43			
10	64	52	46	41	63	52	46	41	51	45	41	50	45	41	49	44	41	39			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	287526
5°	288625
10°	289504
15°	289516
20°	287924
25°	281179
30°	262808
35°	227574
40°	177774
45°	127561
50°	82872
55°	49606
60°	29018
65°	18634
70°	12392
75°	9351
80°	7004
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	222.9	6.1
10°-20°	642.2	17.7
20°-30°	947.7	26.1
30°-40°	935.2	25.8
40°-50°	572.3	15.8
50°-60°	219.4	6.0
60°-70°	68.6	1.9
70°-80°	20.1	0.6
80°-90°	2.7	0.1
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°	1812.7	49.9
0°-40°	2747.9	75.7
0°-60°	3539.6	97.5
0°-90°	3631.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3631.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2340	
5°	2340	223
15°	2276	642
25°	2074	948
35°	1517	935
45°	734	572
55°	232	219
65°	64	69
75°	20	20
85°	0	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2340.4
2.5°	2345.3
5°	2340.4
7.5°	2335.5
10°	2320.7
12.5°	2300.9
15°	2276.3
17.5°	2246.7
20°	2202.3
22.5°	2153.2
25°	2074.3
27.5°	1975.7
30°	1852.6
32.5°	1699.9
35°	1517.4
37.5°	1315.5
40°	1108.5
42.5°	916.4
45°	734.2
47.5°	571.4
50°	433.6
52.5°	320.3
55°	231.6
57.5°	162.5
60°	118.1
62.5°	88.8
65°	64.1
67.5°	49.3
70°	34.5
72.5°	24.7
75°	19.7
77.5°	9.9
80°	9.9
82.5°	4.9
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)