

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: P859542

Luminaire Tested: **LX4C75D010 EX4C759027 4LBMDH**

Issue Date: 2/18/2022



Test Information

Test Method: LM-79-08
Report Number: P859542
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: LX4C75D010 EX4C759027 4LBMDH
Description: 4 INCH 7500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 4LRMD45 TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

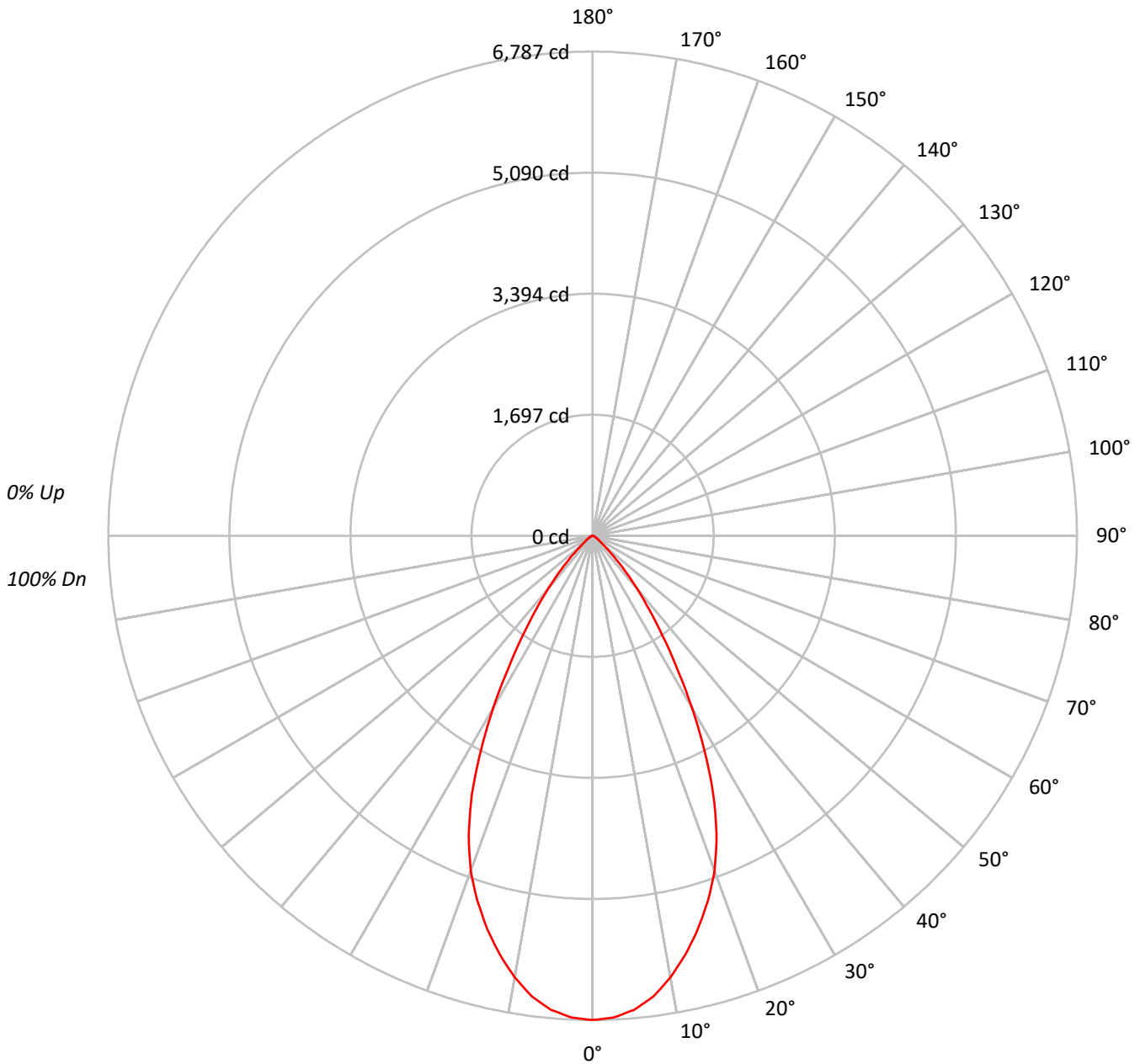
Lumens per Lamp: N/A
Luminaire Lumens: 5634.0 lumens
Efficiency: N/A
Efficacy: 69.1 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.83
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 81.5
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	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°	833843
5°	822600
10°	784008
15°	725476
20°	653075
25°	542554
30°	394396
35°	255650
40°	154713
45°	79730
50°	36104
55°	21740
60°	14570
65°	10436
70°	7866
75°	5174
80°	3325
85°	2255



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	624.4	11.1
10°-20°	1591.7	28.3
20°-30°	1799.9	31.9
30°-40°	1087.7	19.3
40°-50°	381.0	6.8
50°-60°	97.5	1.7
60°-70°	37.3	0.7
70°-80°	12.5	0.2
80°-90°	1.9	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°	4016.0	71.3
0°-40°	5103.7	90.6
0°-60°	5582.2	99.1
0°-90°	5634.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5634.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6787	
5°	6670	624
15°	5704	1592
25°	4002	1800
35°	1705	1088
45°	459	381
55°	102	98
65°	36	37
75°	11	13
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6787.3
2.5°	6759.2
5°	6670.3
7.5°	6512.6
10°	6284.7
12.5°	6009.9
15°	5704.0
17.5°	5368.4
20°	4995.3
22.5°	4537.9
25°	4002.5
27.5°	3389.0
30°	2780.2
32.5°	2197.9
35°	1704.6
37.5°	1292.5
40°	964.7
42.5°	693.1
45°	458.9
47.5°	282.5
50°	188.9
52.5°	135.8
55°	101.5
57.5°	78.1
60°	59.3
62.5°	46.8
65°	35.9
67.5°	28.1
70°	21.9
72.5°	15.6
75°	10.9
77.5°	7.8
80°	4.7
82.5°	3.1
85°	1.6
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)