

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: P839393

Luminaire Tested: **LD4C75D010 EU4759035 4LBSH**

Issue Date: 2/14/2022



Test Information

Test Method: LM-79-08
Report Number: P839393
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205729)
Test Lab: INNOVATION CENTER
Issue Date: 2/14/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C75D010 EU4759035 4LBSH
Description: 4 INCH 7500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 4LBS TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

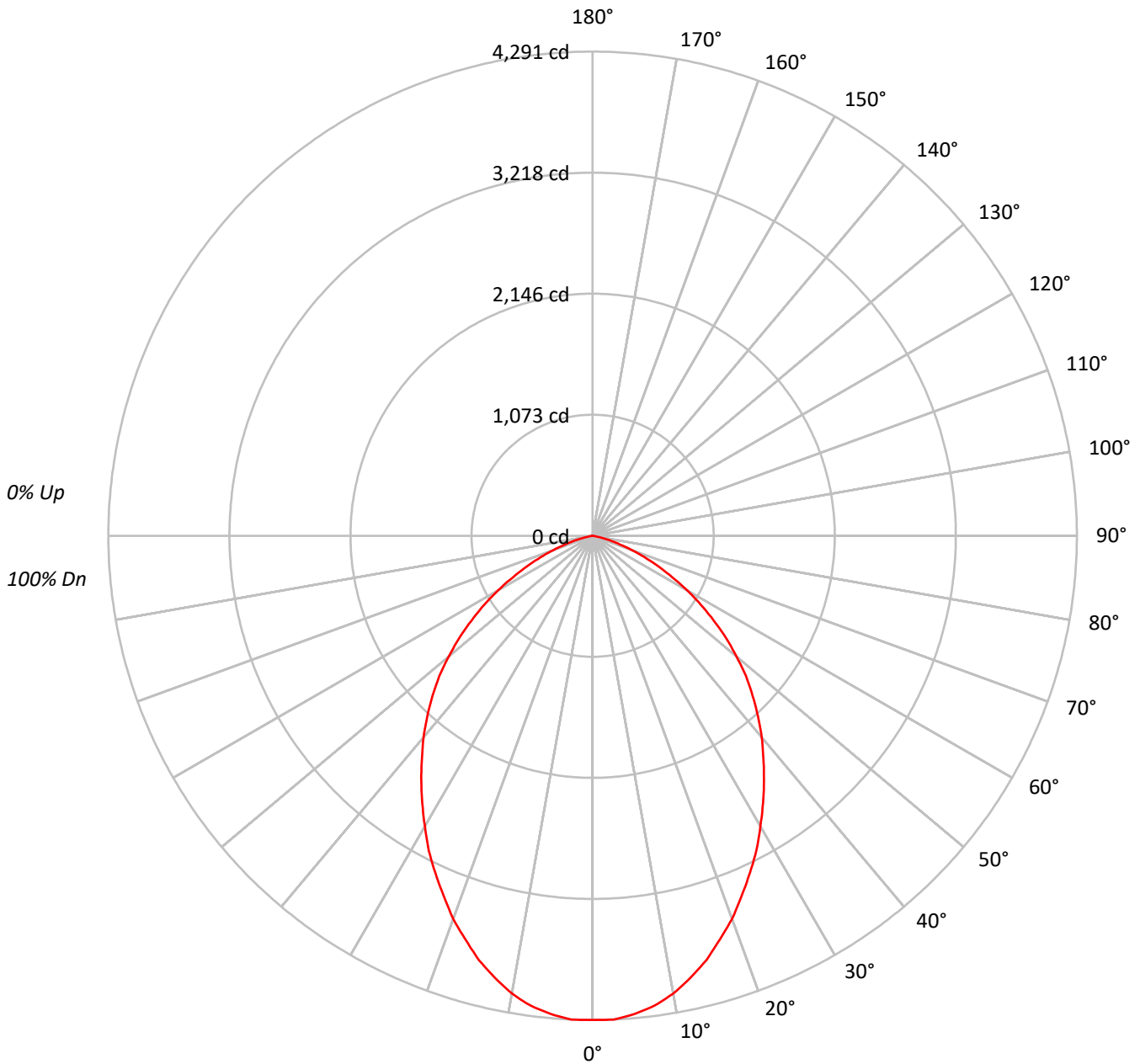
Lumens per Lamp: N/A
Luminaire Lumens: 8205.0 lumens
Efficiency: N/A
Efficacy: 100.7 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P839393

CATALOG NUMBER: LD4C75D010 EU4759035 4LBSH

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	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88			
2	102	96	90	85	100	94	88	84	90	86	82	87	83	80	84	81	79	77			
3	95	85	78	73	92	84	77	72	81	75	71	78	74	70	76	72	69	67			
4	87	77	69	63	85	75	68	63	73	67	62	71	65	61	69	64	60	58			
5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	53	51			
6	75	63	55	49	73	62	54	49	60	54	49	59	53	48	57	52	48	46			
7	70	58	50	44	68	57	49	44	55	49	44	54	48	43	53	47	43	41			
8	65	53	45	40	64	52	45	40	51	44	39	50	44	39	49	43	39	37			
9	61	49	41	36	60	48	41	36	47	40	36	46	40	36	45	40	35	34			
10	58	45	38	33	56	45	38	33	44	37	33	43	37	33	42	37	33	31			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	527189
5°	524738
10°	513915
15°	495229
20°	472435
25°	446975
30°	421633
35°	396988
40°	373783
45°	348438
50°	317728
55°	280587
60°	237500
65°	186452
70°	133083
75°	72909
80°	12876
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	402.0	4.9
10°-20°	1092.5	13.3
20°-30°	1517.2	18.5
30°-40°	1655.6	20.2
40°-50°	1544.4	18.8
50°-60°	1172.3	14.3
60°-70°	641.9	7.8
70°-80°	176.6	2.2
80°-90°	2.5	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°	3011.7	36.7
0°-40°	4667.3	56.9
0°-60°	7384.0	90.0
0°-90°	8205.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8205.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4291	
5°	4255	402
15°	3894	1093
25°	3297	1517
35°	2647	1656
45°	2006	1544
55°	1310	1172
65°	641	642
75°	154	177
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4291.2
2.5°	4291.2
5°	4255.0
7.5°	4201.0
10°	4119.6
12.5°	4011.2
15°	3893.7
17.5°	3749.3
20°	3613.6
22.5°	3451.0
25°	3297.4
27.5°	3144.0
30°	2972.2
32.5°	2809.6
35°	2647.0
37.5°	2484.4
40°	2330.7
42.5°	2168.1
45°	2005.5
47.5°	1842.9
50°	1662.4
52.5°	1490.6
55°	1310.0
57.5°	1138.2
60°	966.6
62.5°	795.1
65°	641.4
67.5°	496.8
70°	370.5
72.5°	253.0
75°	153.6
77.5°	72.2
80°	18.2
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)