

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: P858077

Luminaire Tested: **LD4C40D010 EU4409030 4LBMH**

Issue Date: 2/8/2022



Test Information

Test Method: LM-79-08
Report Number: P858077
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: LD4C40D010 EU4409030 4LBMH
Description: 4 INCH 4000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LBM TRIM WITH H FINISH, DIM TO WARM
Light Source: -
Ballast/Driver:

Summary

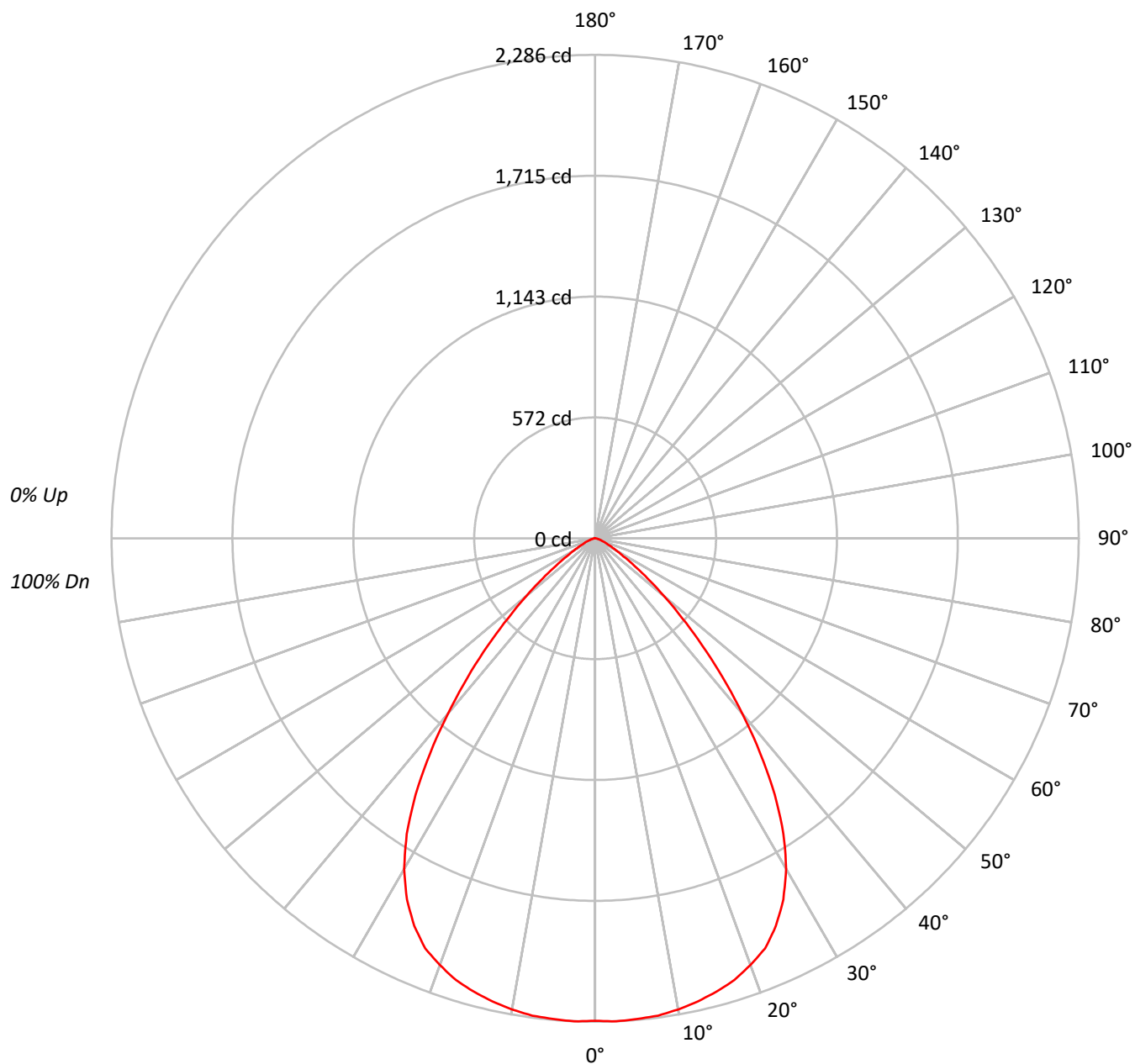
Lumens per Lamp: N/A
Luminaire Lumens: 3539.7 lumens
Efficiency: N/A
Efficacy: 54.5 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 65
Input Voltage (V):
Input Current (Ain): 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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
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°	280302
5°	281373
10°	282231
15°	282229
20°	280694
25°	274117
30°	256197
35°	221860
40°	173316
45°	124346
50°	80770
55°	48364
60°	28305
65°	18169
70°	12105
75°	9114
80°	6792
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.3	6.1
10°-20°	626.0	17.7
20°-30°	923.9	26.1
30°-40°	911.7	25.8
40°-50°	557.9	15.8
50°-60°	213.9	6.0
60°-70°	66.9	1.9
70°-80°	19.6	0.6
80°-90°	2.6	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°	1767.2	49.9
0°-40°	2678.9	75.7
0°-60°	3450.6	97.5
0°-90°	3539.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3539.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2282	
5°	2282	217
15°	2219	626
25°	2022	924
35°	1479	912
45°	716	558
55°	226	214
65°	62	67
75°	19	20
85°	0	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2281.6
2.5°	2286.4
5°	2281.6
7.5°	2276.7
10°	2262.4
12.5°	2243.1
15°	2219.0
17.5°	2190.1
20°	2147.0
22.5°	2099.1
25°	2022.2
27.5°	1926.1
30°	1806.0
32.5°	1657.2
35°	1479.3
37.5°	1282.4
40°	1080.7
42.5°	893.4
45°	715.7
47.5°	557.0
50°	422.6
52.5°	312.3
55°	225.8
57.5°	158.4
60°	115.2
62.5°	86.6
65°	62.5
67.5°	48.1
70°	33.7
72.5°	24.1
75°	19.2
77.5°	9.6
80°	9.6
82.5°	4.8
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)