

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: P563825

Luminaire Tested: **LD4C35D010 EX4C359030 4LBSQH**

Issue Date: 2/9/2022



Test Information

Test Method: LM-79-08
Report Number: P563825
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P207151)
Test Lab: INNOVATION CENTER
Issue Date: 2/9/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C35D010 EX4C359030 4LBSQH
Description: 4 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LBSQ TRIM WITH H FINISH, DIM TO WARM
Light Source: -
Ballast/Driver: -

Summary

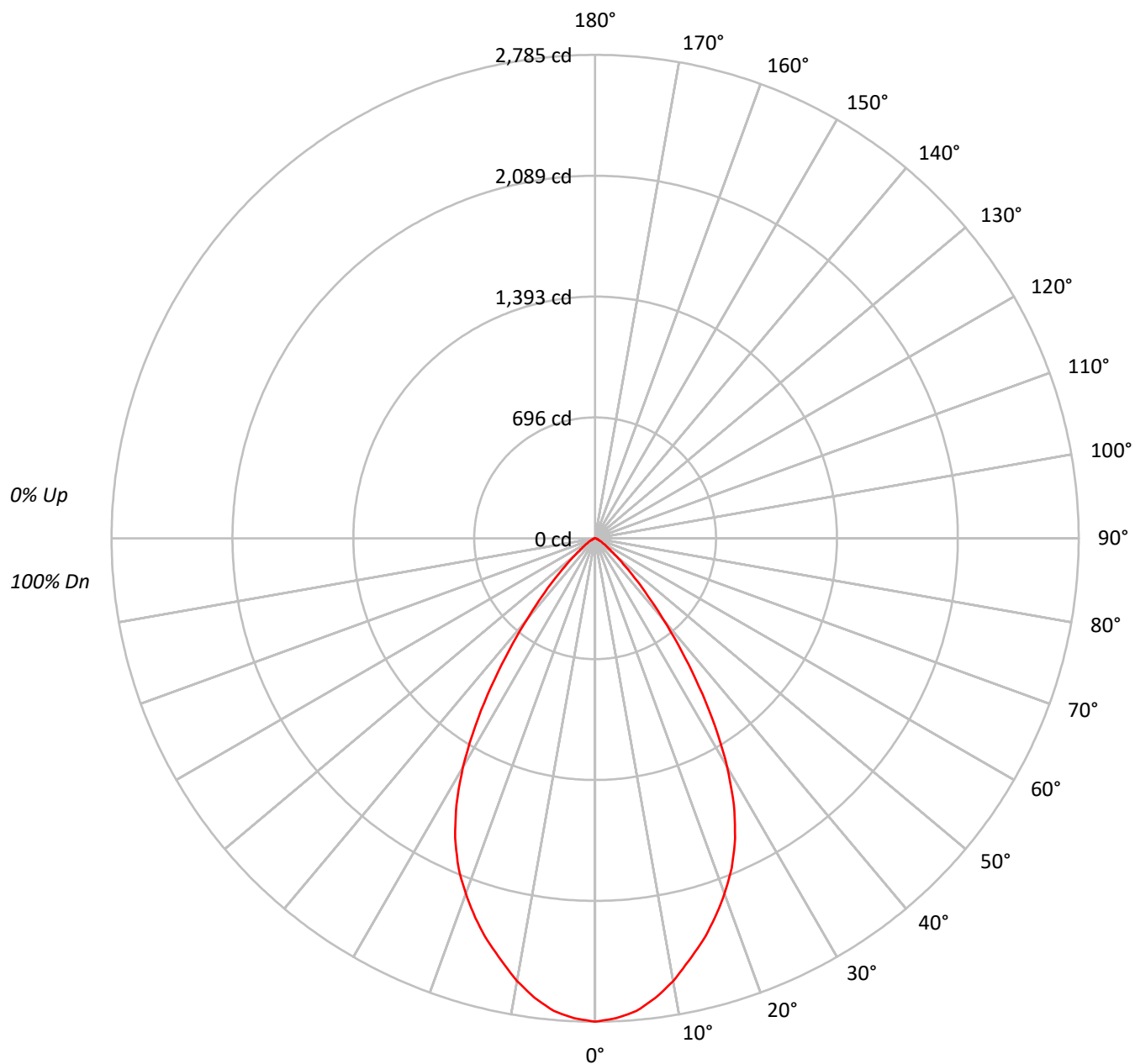
Lumens per Lamp: N/A
Luminaire Lumens: 2808.5 lumens
Efficiency: N/A
Efficacy: 69.5 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.93
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 40.4
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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	110	108	105	111	108	106	104	104	102	100		100	99	97		97
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91
3	101	94	89	85	99	93	88	84	90	86	83		88	84	82		86
4	96	88	82	77	94	86	81	77	84	80	76		82	78	75		80
5	90	82	75	71	89	81	75	70	79	74	70		77	73	69		75
6	86	76	70	65	84	75	69	65	74	68	64		72	68	64		71
7	81	71	65	60	80	70	64	60	69	64	60		68	63	59		67
8	77	67	60	56	75	66	60	56	65	59	56		64	59	55		63
9	73	63	56	52	72	62	56	52	61	56	52		60	55	52		59
10	69	59	53	49	68	59	53	49	58	52	49		57	52	48		56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	268702
5°	264799
10°	253732
15°	239652
20°	223702
25°	203080
30°	169541
35°	122821
40°	76884
45°	43939
50°	22922
55°	12835
60°	8182
65°	4840
70°	3583
75°	1603
80°	2389
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	256.2	9.1
10°-20°	672.2	23.9
20°-30°	864.0	30.8
30°-40°	650.0	23.1
40°-50°	261.0	9.3
50°-60°	74.2	2.6
60°-70°	23.5	0.8
70°-80°	6.7	0.2
80°-90°	0.6	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°	1792.4	63.8
0°-40°	2442.4	87.0
0°-60°	2777.7	98.9
0°-90°	2808.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2808.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2785	
5°	2734	256
15°	2399	672
25°	1908	864
35°	1043	650
45°	322	261
55°	76	74
65°	21	24
75°	4	7
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2784.8
2.5°	2767.8
5°	2733.9
7.5°	2670.3
10°	2589.7
12.5°	2492.4
15°	2399.1
17.5°	2293.1
20°	2178.6
22.5°	2055.9
25°	1907.5
27.5°	1729.3
30°	1521.7
32.5°	1288.5
35°	1042.7
37.5°	813.8
40°	610.4
42.5°	449.3
45°	322.0
47.5°	220.5
50°	152.7
52.5°	106.0
55°	76.3
57.5°	55.1
60°	42.4
62.5°	29.7
65°	21.2
67.5°	17.0
70°	12.7
72.5°	8.4
75°	4.3
77.5°	4.3
80°	4.3
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)