

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: P563816

Luminaire Tested: **LD4C30D010 EX4C309030 4LBSQH**

Issue Date: 2/9/2022



Test Information

Test Method: LM-79-08
Report Number: P563816
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: LD4C30D010 EX4C309030 4LBSQH
Description: 4 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LBSQ TRIM WITH H FINISH, DIM TO WARM
Light Source: -
Ballast/Driver: -

Summary

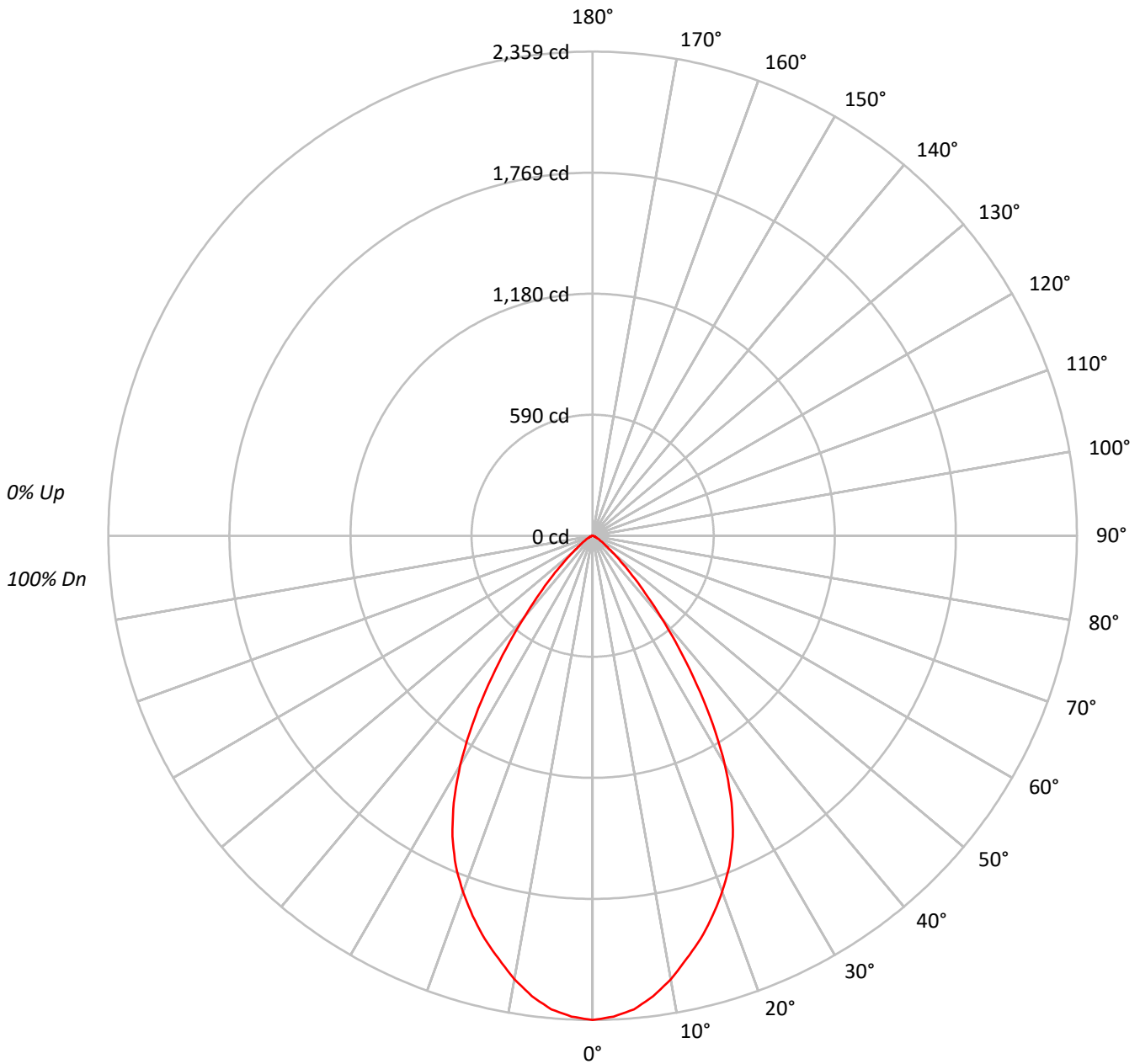
Lumens per Lamp: N/A
Luminaire Lumens: 2379.2 lumens
Efficiency: N/A
Efficacy: 75.3 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.93
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 31.6
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

TEST NUMBER: P563816

CATALOG NUMBER: LD4C30D010 EX4C309030 4LBSQH

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	100	100	100
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93	93	93	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85	85	85	85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	82	86	83	80	79	79	79	79
4	96	88	82	77	94	86	81	77	84	80	76	82	78	75	80	77	74	73	73	73	73
5	90	82	75	71	89	81	75	70	79	74	70	77	73	69	75	72	69	67	67	67	67
6	86	76	70	65	84	75	69	65	74	68	64	72	68	64	71	67	64	62	62	62	62
7	81	71	65	60	80	70	64	60	69	64	60	68	63	59	67	62	59	58	58	58	58
8	77	67	60	56	75	66	60	56	65	59	56	64	59	55	63	58	55	54	54	54	54
9	73	63	56	52	72	62	56	52	61	56	52	60	55	52	59	55	52	50	50	50	50
10	69	59	53	49	68	59	53	49	58	52	49	57	52	48	56	52	48	47	47	47	47

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	227637
5°	224332
10°	214953
15°	203032
20°	189509
25°	172035
30°	143626
35°	104045
40°	65133
45°	37225
50°	19409
55°	10884
60°	6928
65°	4110
70°	3047
75°	1342
80°	2000
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.1	9.1
10°-20°	569.5	23.9
20°-30°	731.9	30.8
30°-40°	550.6	23.1
40°-50°	221.1	9.3
50°-60°	62.9	2.6
60°-70°	19.9	0.8
70°-80°	5.7	0.2
80°-90°	0.5	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°	1518.5	63.8
0°-40°	2069.1	87.0
0°-60°	2353.1	98.9
0°-90°	2379.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2379.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2359	
5°	2316	217
15°	2032	569
25°	1616	732
35°	883	551
45°	273	221
55°	65	63
65°	18	20
75°	4	6
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2359.2
2.5°	2344.7
5°	2316.1
7.5°	2262.2
10°	2193.9
12.5°	2111.4
15°	2032.5
17.5°	1942.6
20°	1845.6
22.5°	1741.6
25°	1615.9
27.5°	1465.0
30°	1289.1
32.5°	1091.6
35°	883.3
37.5°	689.4
40°	517.1
42.5°	380.6
45°	272.8
47.5°	186.8
50°	129.3
52.5°	89.8
55°	64.7
57.5°	46.7
60°	35.9
62.5°	25.1
65°	18.0
67.5°	14.3
70°	10.8
72.5°	7.2
75°	3.6
77.5°	3.6
80°	3.6
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)