

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: P839906

Luminaire Tested: **LDS4C30D010 EU4309030 4LBCSMB**

Issue Date: 8/24/2022



Test Information

Test Method: LM-79-08
Report Number: P839906
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-18)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LDS4C30D010 EU4309030 4LBCSMB
Description: 4 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LBCS TRIM WITH MB FINISH
Light Source: -
Ballast/Driver: -

Summary

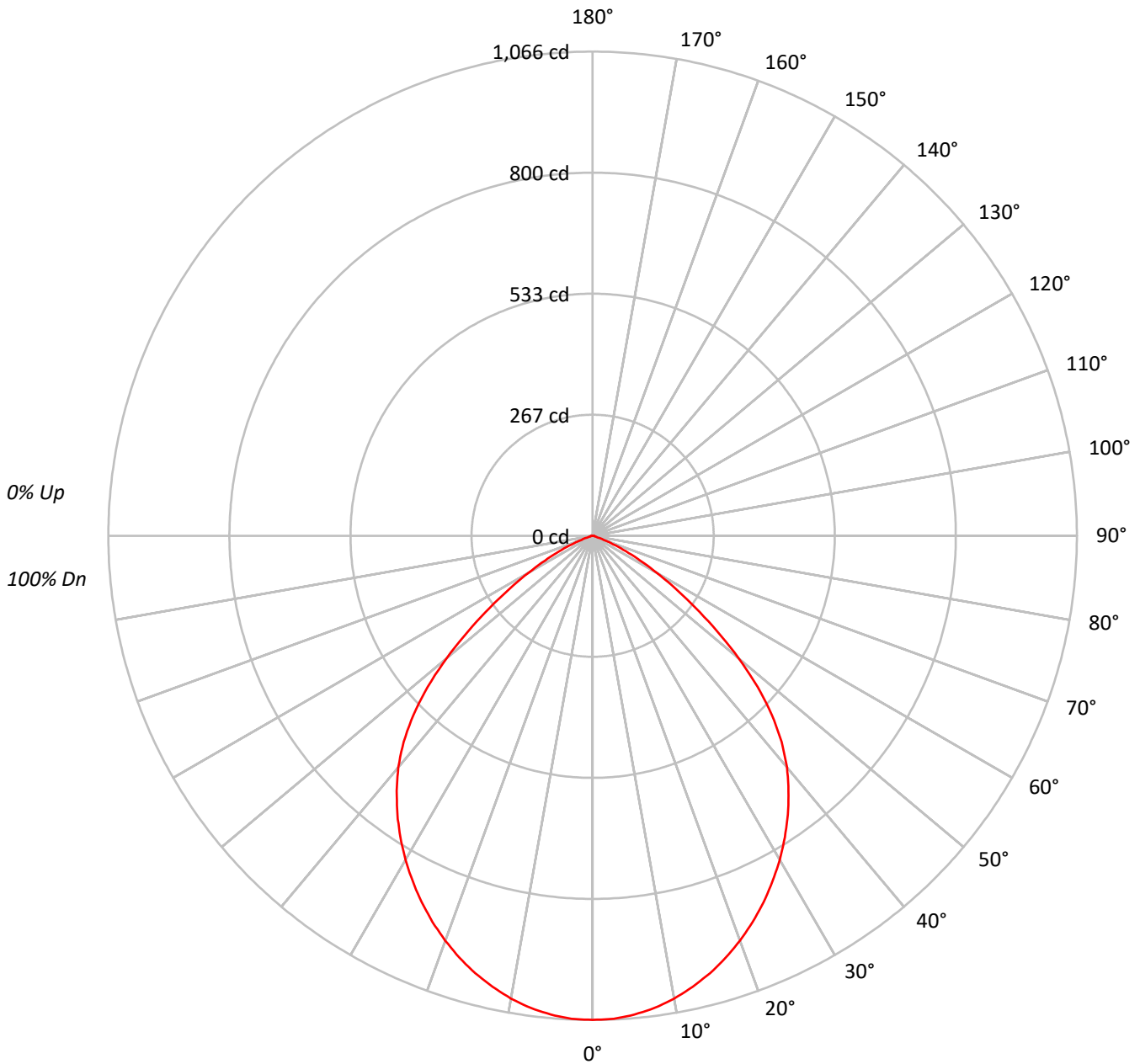
Lumens per Lamp: N/A
Luminaire Lumens: 2030.0 lumens
Efficiency: N/A
Efficacy: 64.2 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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

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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			100
1	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	92	90			90
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79			79
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	72	70			70
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	62			62
5	83	72	64	59	81	71	64	58	69	63	58	67	61	57	65	60	57	55			55
6	77	66	58	52	75	65	57	52	63	56	52	61	56	51	60	55	51	49			49
7	72	60	52	47	70	59	52	47	58	51	46	56	50	46	55	50	46	44			44
8	67	55	47	42	66	54	47	42	53	47	42	52	46	42	51	46	41	40			40
9	63	51	43	38	62	50	43	38	49	43	38	48	42	38	47	42	38	36			36
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	39	35	33			33

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	130950
5°	130500
10°	129065
15°	126844
20°	124005
25°	120697
30°	116892
35°	112392
40°	106713
45°	97034
50°	80101
55°	58988
60°	40026
65°	23430
70°	9267
75°	2089
80°	2688
85°	4652



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.3	4.9
10°-20°	280.8	13.8
20°-30°	409.6	20.2
30°-40°	467.6	23.0
40°-50°	425.1	20.9
50°-60°	250.7	12.3
60°-70°	84.1	4.1
70°-80°	8.8	0.4
80°-90°	3.1	0.2
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°	790.7	39.0
0°-40°	1258.3	62.0
0°-60°	1934.1	95.3
0°-90°	2030.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2030.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1066	
5°	1058	100
15°	997	281
25°	890	410
35°	749	468
45°	558	425
55°	275	251
65°	81	84
75°	4	9
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1065.9
2.5°	1064.3
5°	1058.2
7.5°	1048.4
10°	1034.6
12.5°	1017.1
15°	997.3
17.5°	974.3
20°	948.5
22.5°	920.5
25°	890.4
27.5°	857.5
30°	824.0
32.5°	787.2
35°	749.4
37.5°	708.2
40°	665.4
42.5°	615.5
45°	558.5
47.5°	492.6
50°	419.1
52.5°	345.6
55°	275.4
57.5°	215.6
60°	162.9
62.5°	117.9
65°	80.6
67.5°	49.4
70°	25.8
72.5°	9.9
75°	4.4
77.5°	4.4
80°	3.8
82.5°	3.3
85°	3.3
87.5°	2.7
90°	0.0



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— 0°-180°







(END OF REPORT)