

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: P839940

Luminaire Tested: **LDS4C30D010 EU4309050 4LBSB**

Issue Date: 8/24/2022



Test Information

Test Method: LM-79-08
Report Number: P839940
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 EU4309050 4LBSB
Description: 4 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 4LBS TRIM WITH B FINISH
Light Source: -
Ballast/Driver: -

Summary

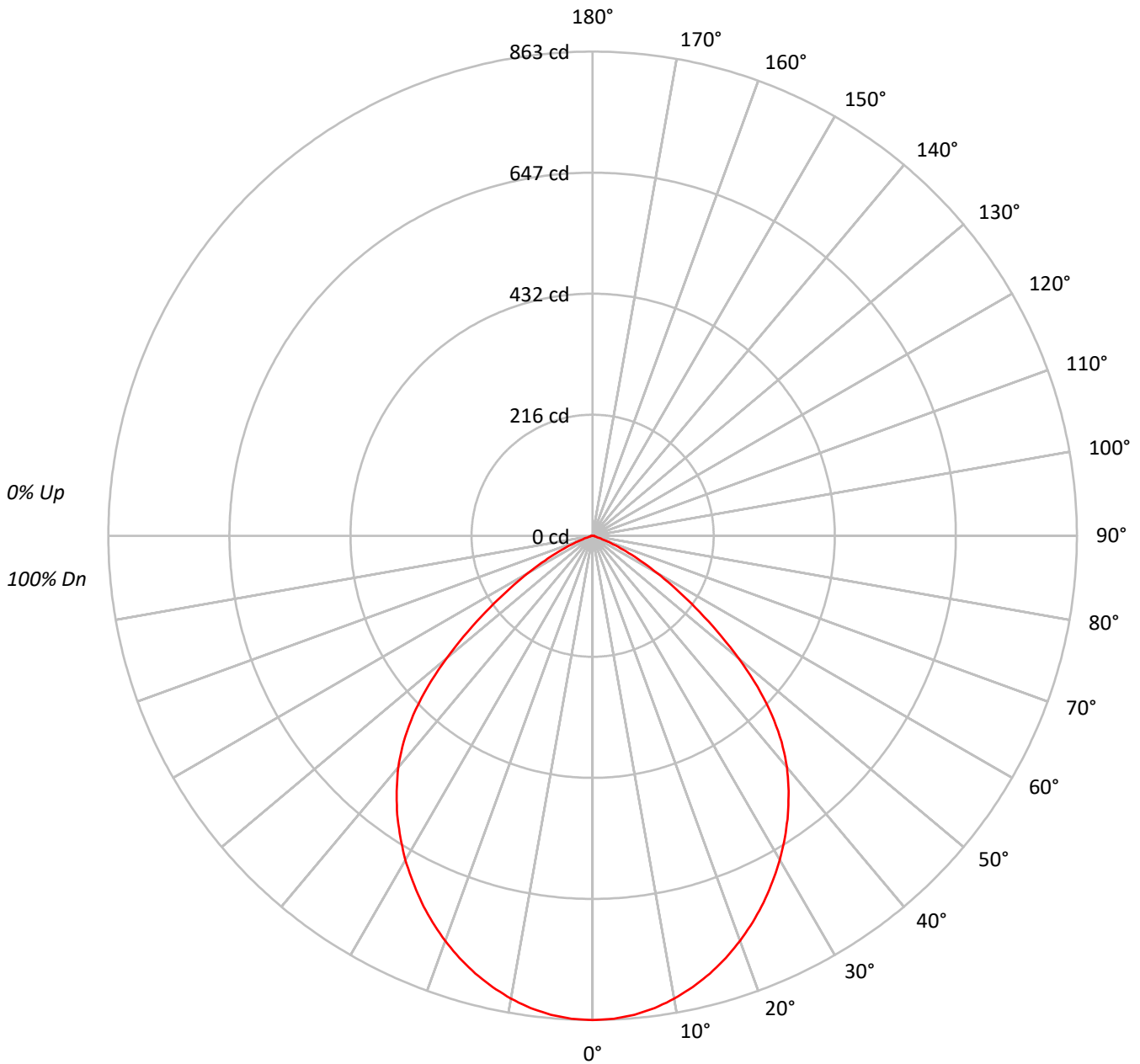
Lumens per Lamp: N/A
Luminaire Lumens: 1644.1 lumens
Efficiency: N/A
Efficacy: 52.0 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	106047
5°	105688
10°	104527
15°	102729
20°	100433
25°	97748
30°	94662
35°	91021
40°	86425
45°	78583
50°	64868
55°	47764
60°	32433
65°	18982
70°	7507
75°	1709
80°	2193
85°	3806



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.2	4.9
10°-20°	227.4	13.8
20°-30°	331.7	20.2
30°-40°	378.7	23.0
40°-50°	344.3	20.9
50°-60°	203.0	12.3
60°-70°	68.1	4.1
70°-80°	7.1	0.4
80°-90°	2.5	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°	640.4	39.0
0°-40°	1019.0	62.0
0°-60°	1566.3	95.3
0°-90°	1644.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1644.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	863	
5°	857	81
15°	808	227
25°	721	332
35°	607	379
45°	452	344
55°	223	203
65°	65	68
75°	4	7
85°	3	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	863.2
2.5°	861.9
5°	857.0
7.5°	849.0
10°	837.9
12.5°	823.7
15°	807.7
17.5°	789.0
20°	768.2
22.5°	745.5
25°	721.1
27.5°	694.4
30°	667.3
32.5°	637.5
35°	606.9
37.5°	573.6
40°	538.9
42.5°	498.5
45°	452.3
47.5°	399.0
50°	339.4
52.5°	279.9
55°	223.0
57.5°	174.6
60°	132.0
62.5°	95.5
65°	65.3
67.5°	40.0
70°	20.9
72.5°	8.0
75°	3.6
77.5°	3.6
80°	3.1
82.5°	2.7
85°	2.7
87.5°	2.2
90°	0.0



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— 0°-180°







(END OF REPORT)