

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: P839941

Luminaire Tested: **LDS4C30D010 EU4309050 4LBSGPH**

Issue Date: 8/24/2022

Test Information

Test Method: LM-79-08
Report Number: P839941
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 4LBSGPH
Description: 4 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 4LBS TRIM WITH GPH FINISH
Light Source: -
Ballast/Driver: -

Summary

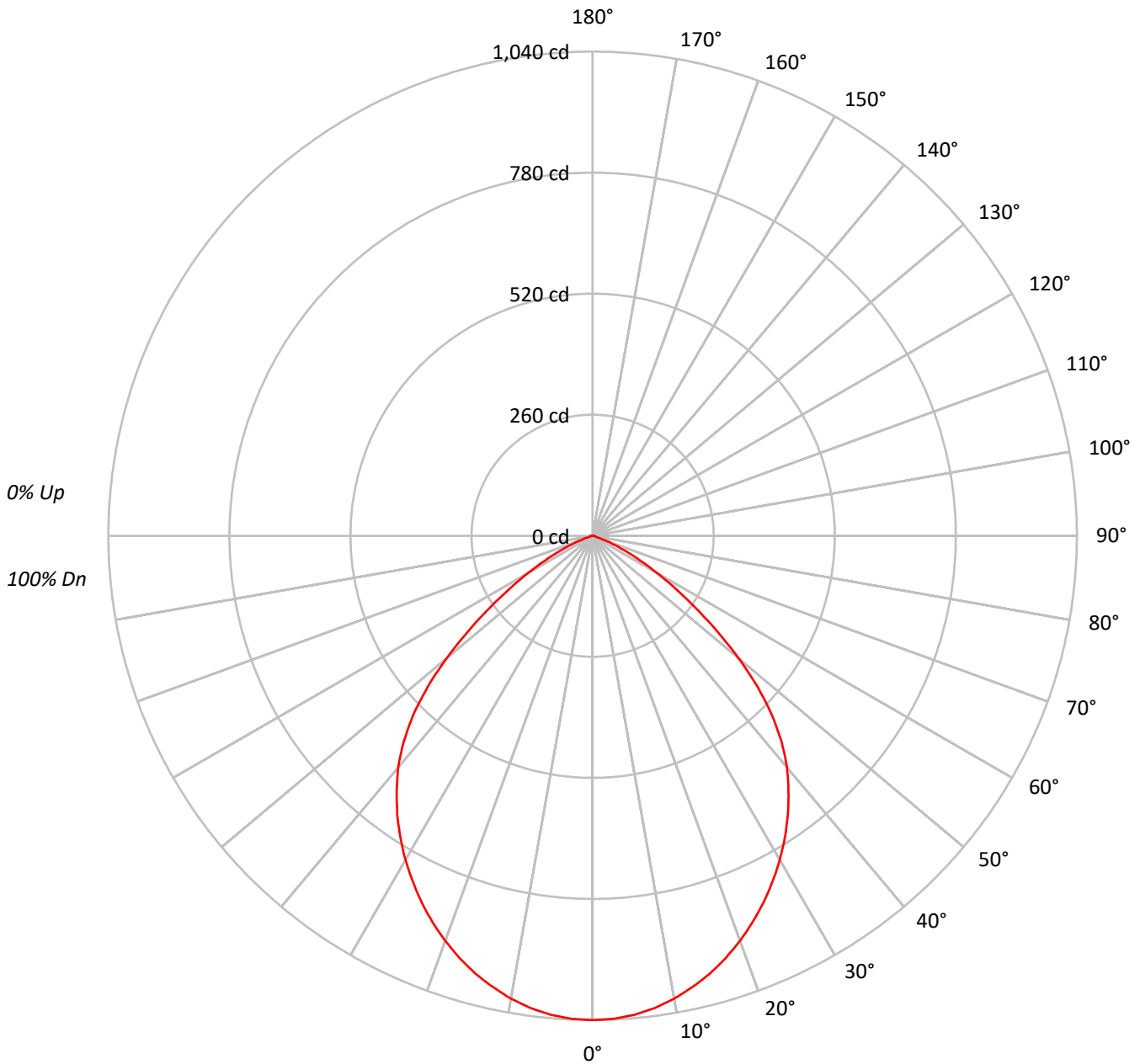
Lumens per Lamp: N/A
Luminaire Lumens: 1981.0 lumens
Efficiency: N/A
Efficacy: 62.7 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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	65	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°	127792
5°	127355
10°	125959
15°	123791
20°	121011
25°	117783
30°	114069
35°	109678
40°	104147
45°	94689
50°	78171
55°	57552
60°	39067
65°	22878
70°	9052
75°	2041
80°	2618
85°	4511



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.8	4.9
10°-20°	274.1	13.8
20°-30°	399.7	20.2
30°-40°	456.3	23.0
40°-50°	414.8	20.9
50°-60°	244.7	12.3
60°-70°	82.1	4.1
70°-80°	8.6	0.4
80°-90°	3.0	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°	771.7	39.0
0°-40°	1227.9	62.0
0°-60°	1887.4	95.3
0°-90°	1981.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1981.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1040	
5°	1033	98
15°	973	274
25°	869	400
35°	731	456
45°	545	415
55°	269	245
65°	79	82
75°	4	9
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1040.2
2.5°	1038.6
5°	1032.7
7.5°	1023.1
10°	1009.7
12.5°	992.5
15°	973.3
17.5°	950.8
20°	925.6
22.5°	898.3
25°	868.9
27.5°	836.8
30°	804.1
32.5°	768.2
35°	731.3
37.5°	691.1
40°	649.4
42.5°	600.7
45°	545.0
47.5°	480.7
50°	409.0
52.5°	337.3
55°	268.7
57.5°	210.4
60°	159.0
62.5°	115.1
65°	78.7
67.5°	48.2
70°	25.2
72.5°	9.6
75°	4.3
77.5°	4.3
80°	3.7
82.5°	3.2
85°	3.2
87.5°	2.7
90°	0.0



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— 0°-180°







(END OF REPORT)