

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: P839991

Luminaire Tested: **LDS4C35D010 EU4359050 4LBSGPH**

Issue Date: 8/24/2022

Test Information

Test Method: LM-79-08
Report Number: P839991
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: LDS4C35D010 EU4359050 4LBSGPH
Description: 4 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 4LBS TRIM WITH GPH FINISH
Light Source: -
Ballast/Driver: -

Summary

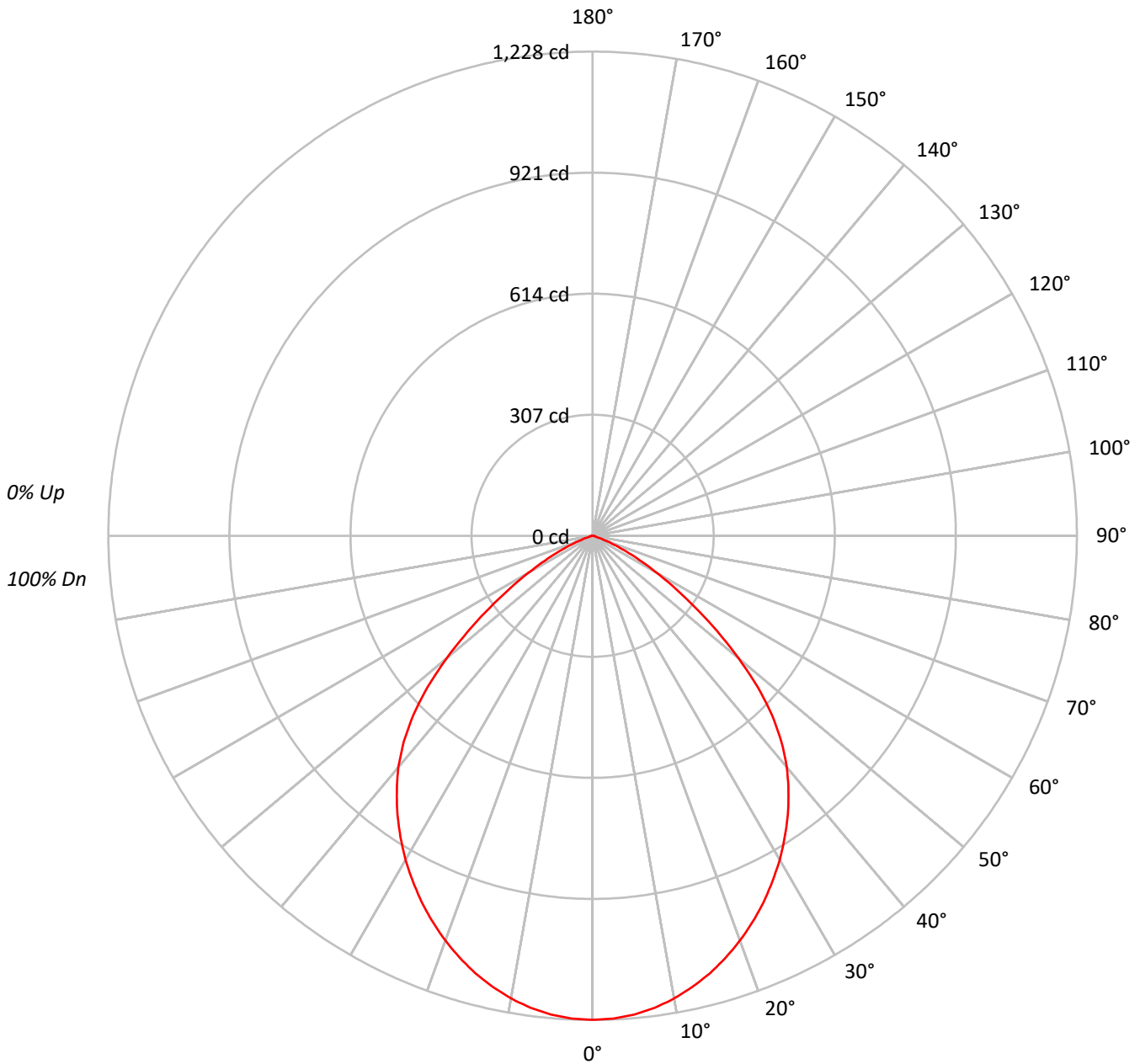
Lumens per Lamp: N/A
Luminaire Lumens: 2338.1 lumens
Efficiency: N/A
Efficacy: 57.9 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 40.4
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	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°	150815
5°	150306
10°	148651
15°	146100
20°	142818
25°	139010
30°	134624
35°	129445
40°	122910
45°	111750
50°	92257
55°	67941
60°	46119
65°	27006
70°	10668
75°	2421
80°	3113
85°	5356



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.5	4.9
10°-20°	323.4	13.8
20°-30°	471.8	20.2
30°-40°	538.5	23.0
40°-50°	489.6	20.9
50°-60°	288.8	12.4
60°-70°	96.8	4.1
70°-80°	10.1	0.4
80°-90°	3.5	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°	910.7	39.0
0°-40°	1449.2	62.0
0°-60°	2227.5	95.3
0°-90°	2338.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2338.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1228	
5°	1219	115
15°	1149	323
25°	1026	472
35°	863	539
45°	643	490
55°	317	289
65°	93	97
75°	5	10
85°	4	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1227.6
2.5°	1225.7
5°	1218.8
7.5°	1207.4
10°	1191.6
12.5°	1171.4
15°	1148.7
17.5°	1122.1
20°	1092.4
22.5°	1060.2
25°	1025.5
27.5°	987.5
30°	949.0
32.5°	906.7
35°	863.1
37.5°	815.7
40°	766.4
42.5°	708.9
45°	643.2
47.5°	567.4
50°	482.7
52.5°	398.1
55°	317.2
57.5°	248.3
60°	187.7
62.5°	135.8
65°	92.9
67.5°	56.9
70°	29.7
72.5°	11.4
75°	5.1
77.5°	5.1
80°	4.4
82.5°	3.8
85°	3.8
87.5°	3.2
90°	0.0



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— 0°-180°







(END OF REPORT)