

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: P839681

Luminaire Tested: **LDS4C100D010 EU41009040 4LBSGPH**

Issue Date: 8/24/2022

Test Information

Test Method: LM-79-08
Report Number: P839681
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: LDS4C100D010 EU41009040 4LBSGPH
Description: 4 INCH 10000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 4LBS TRIM WITH GPH FINISH
Light Source: -
Ballast/Driver: -

Summary

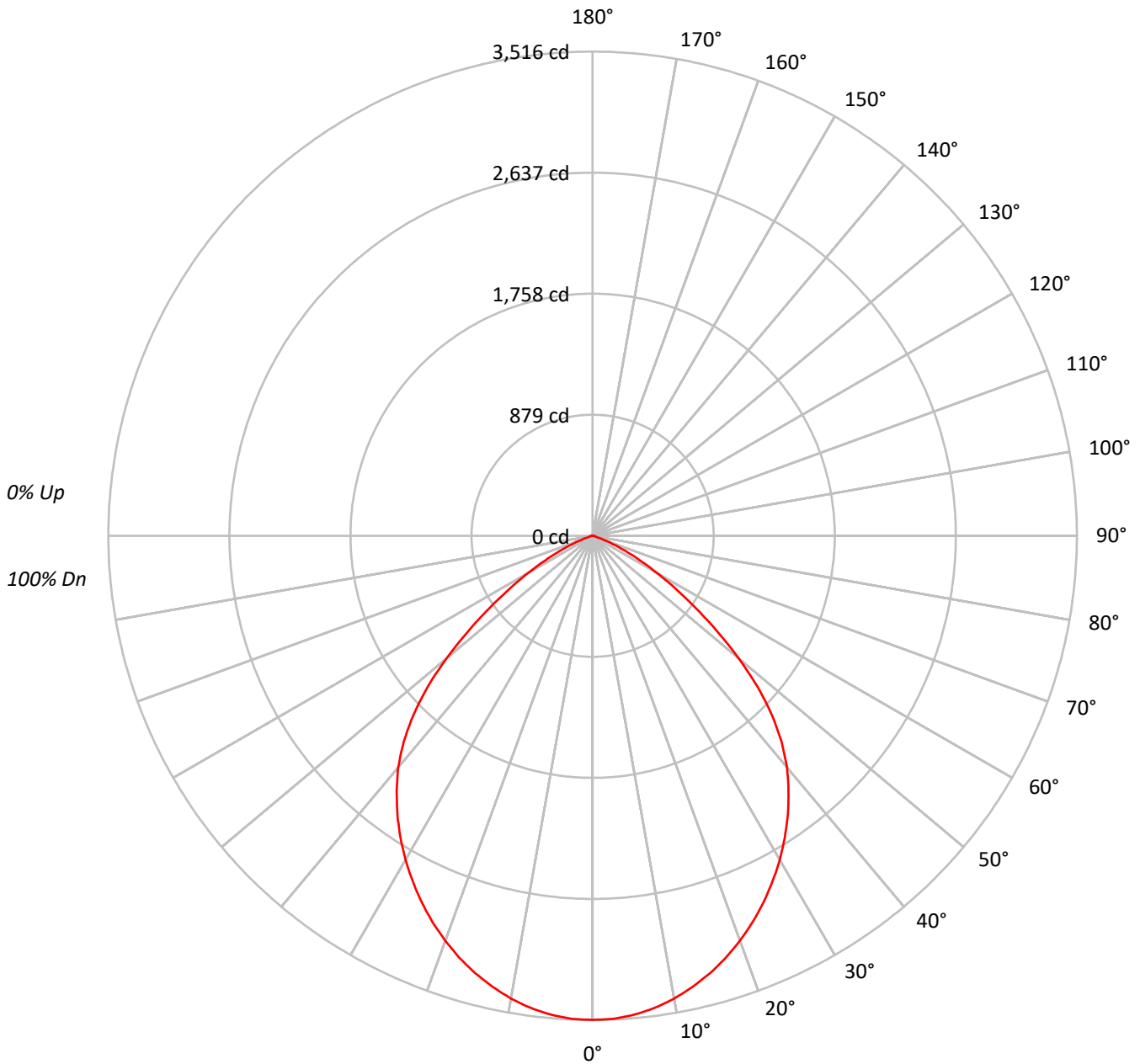
Lumens per Lamp: N/A
Luminaire Lumens: 6696.0 lumens
Efficiency: N/A
Efficacy: 58.5 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 114.4
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				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			
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°	431941
5°	430470
10°	425742
15°	418421
20°	409040
25°	398108
30°	385559
35°	370712
40°	352021
45°	320048
50°	264232
55°	194569
60°	132043
65°	77325
70°	30532
75°	6883
80°	8985
85°	15364



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	330.7	4.9
10°-20°	926.3	13.8
20°-30°	1351.2	20.2
30°-40°	1542.3	23.0
40°-50°	1402.1	20.9
50°-60°	827.0	12.4
60°-70°	277.3	4.1
70°-80°	29.0	0.4
80°-90°	10.1	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°	2608.2	39.0
0°-40°	4150.5	62.0
0°-60°	6379.6	95.3
0°-90°	6696.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6696.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3516	
5°	3491	331
15°	3290	926
25°	2937	1351
35°	2472	1542
45°	1842	1402
55°	908	827
65°	266	277
75°	14	29
85°	11	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3515.9
2.5°	3510.5
5°	3490.6
7.5°	3458.0
10°	3412.8
12.5°	3354.9
15°	3289.8
17.5°	3213.8
20°	3128.7
22.5°	3036.4
25°	2936.9
27.5°	2828.3
30°	2717.9
32.5°	2596.7
35°	2471.8
37.5°	2336.1
40°	2195.0
42.5°	2030.3
45°	1842.1
47.5°	1625.0
50°	1382.5
52.5°	1140.0
55°	908.4
57.5°	711.2
60°	537.4
62.5°	389.1
65°	266.0
67.5°	162.9
70°	85.0
72.5°	32.6
75°	14.5
77.5°	14.5
80°	12.7
82.5°	10.9
85°	10.9
87.5°	9.0
90°	0.0



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— 0°-180°







(END OF REPORT)