

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: P839682

Luminaire Tested: **LDS4C100D010 EU41009040 4LBSH**

Issue Date: 8/24/2022

Test Information

Test Method: LM-79-08
Report Number: P839682
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205729)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LDS4C100D010 EU41009040 4LBSH
Description: 4 INCH 10000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 4LBS TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

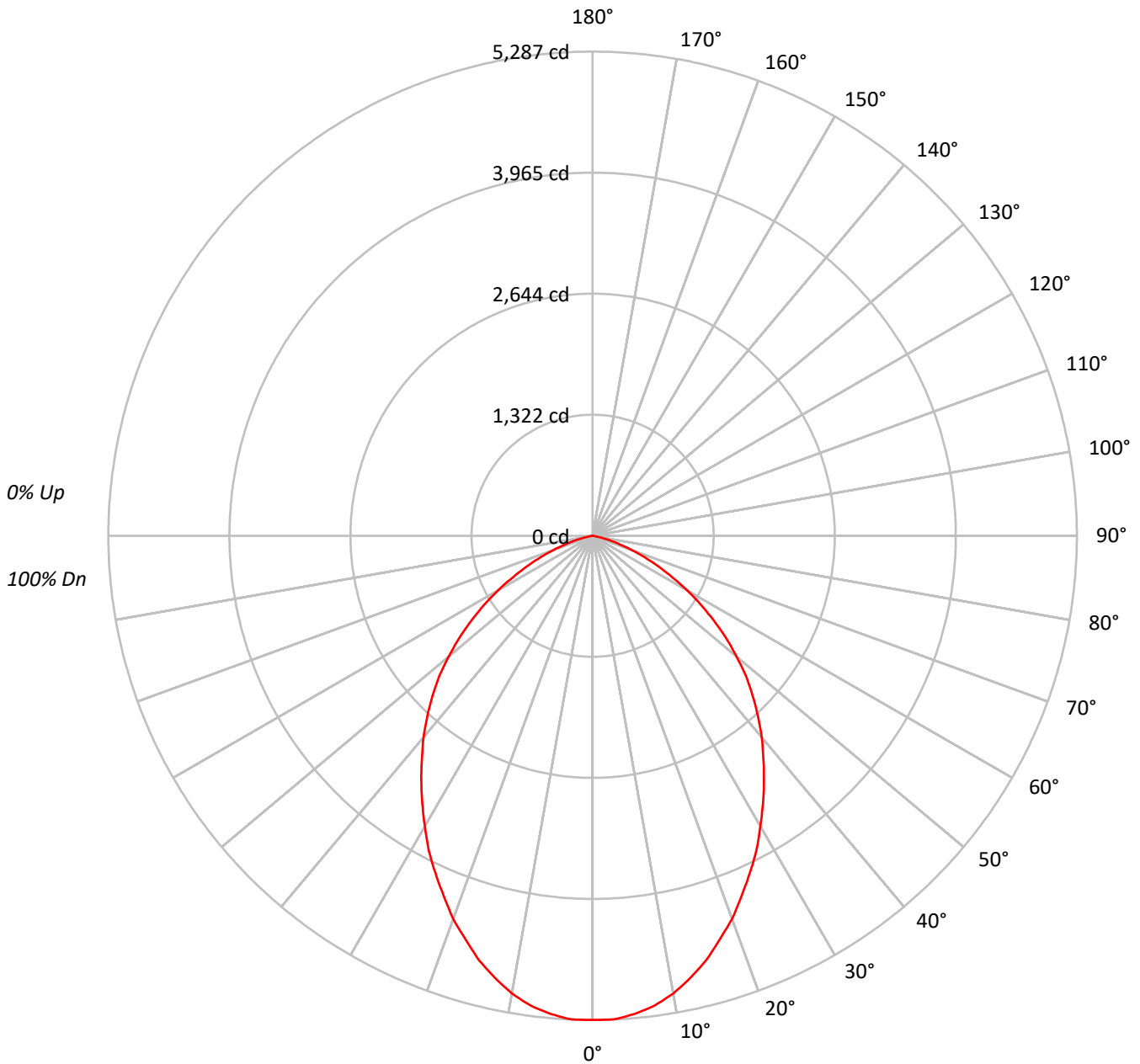
Lumens per Lamp: N/A
Luminaire Lumens: 10109.1 lumens
Efficiency: N/A
Efficacy: 88.4 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88			
2	102	96	90	85	100	94	88	84	90	86	82	87	83	80	84	81	79	77			
3	95	85	78	73	92	84	77	72	81	75	71	78	74	70	76	72	69	67			
4	87	77	69	63	85	75	68	63	73	67	62	71	65	61	69	64	60	58			
5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	53	51			
6	75	63	55	49	73	62	54	49	60	54	49	59	53	48	57	52	48	46			
7	70	58	50	44	68	57	49	44	55	49	44	54	48	43	53	47	43	41			
8	65	53	45	40	64	52	45	40	51	44	39	50	44	39	49	43	39	37			
9	61	49	41	36	60	48	41	36	47	40	36	46	40	36	45	40	35	34			
10	58	45	38	33	56	45	38	33	44	37	33	43	37	33	42	37	33	31			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	649514
5°	646507
10°	633162
15°	610156
20°	582071
25°	550687
30°	519473
35°	489103
40°	460529
45°	429297
50°	391445
55°	345700
60°	292637
65°	229737
70°	163975
75°	89855
80°	15848
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	495.2	4.9
10°-20°	1346.0	13.3
20°-30°	1869.3	18.5
30°-40°	2039.8	20.2
40°-50°	1902.8	18.8
50°-60°	1444.3	14.3
60°-70°	790.9	7.8
70°-80°	217.7	2.2
80°-90°	3.0	0.0
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°	3710.5	36.7
0°-40°	5750.3	56.9
0°-60°	9097.5	90.0
0°-90°	10109.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10109.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5287	
5°	5242	495
15°	4797	1346
25°	4062	1869
35°	3261	2040
45°	2471	1903
55°	1614	1444
65°	790	791
75°	189	218
85°	0	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5286.9
2.5°	5286.9
5°	5242.4
7.5°	5175.8
10°	5075.5
12.5°	4942.1
15°	4797.3
17.5°	4619.3
20°	4452.2
22.5°	4251.8
25°	4062.5
27.5°	3873.5
30°	3661.9
32.5°	3461.5
35°	3261.2
37.5°	3060.9
40°	2871.6
42.5°	2671.2
45°	2470.9
47.5°	2270.6
50°	2048.1
52.5°	1836.5
55°	1614.0
57.5°	1402.4
60°	1191.0
62.5°	979.6
65°	790.3
67.5°	612.1
70°	456.5
72.5°	311.7
75°	189.3
77.5°	89.0
80°	22.4
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)