

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: P839321

Luminaire Tested: **LD4C50D010 EU4509040 4LBSH**

Issue Date: 2/14/2022

Test Information

Test Method: LM-79-08
Report Number: P839321
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205729)
Test Lab: INNOVATION CENTER
Issue Date: 2/14/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C50D010 EU4509040 4LBSH
Description: 4 INCH 5000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 4LBS TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

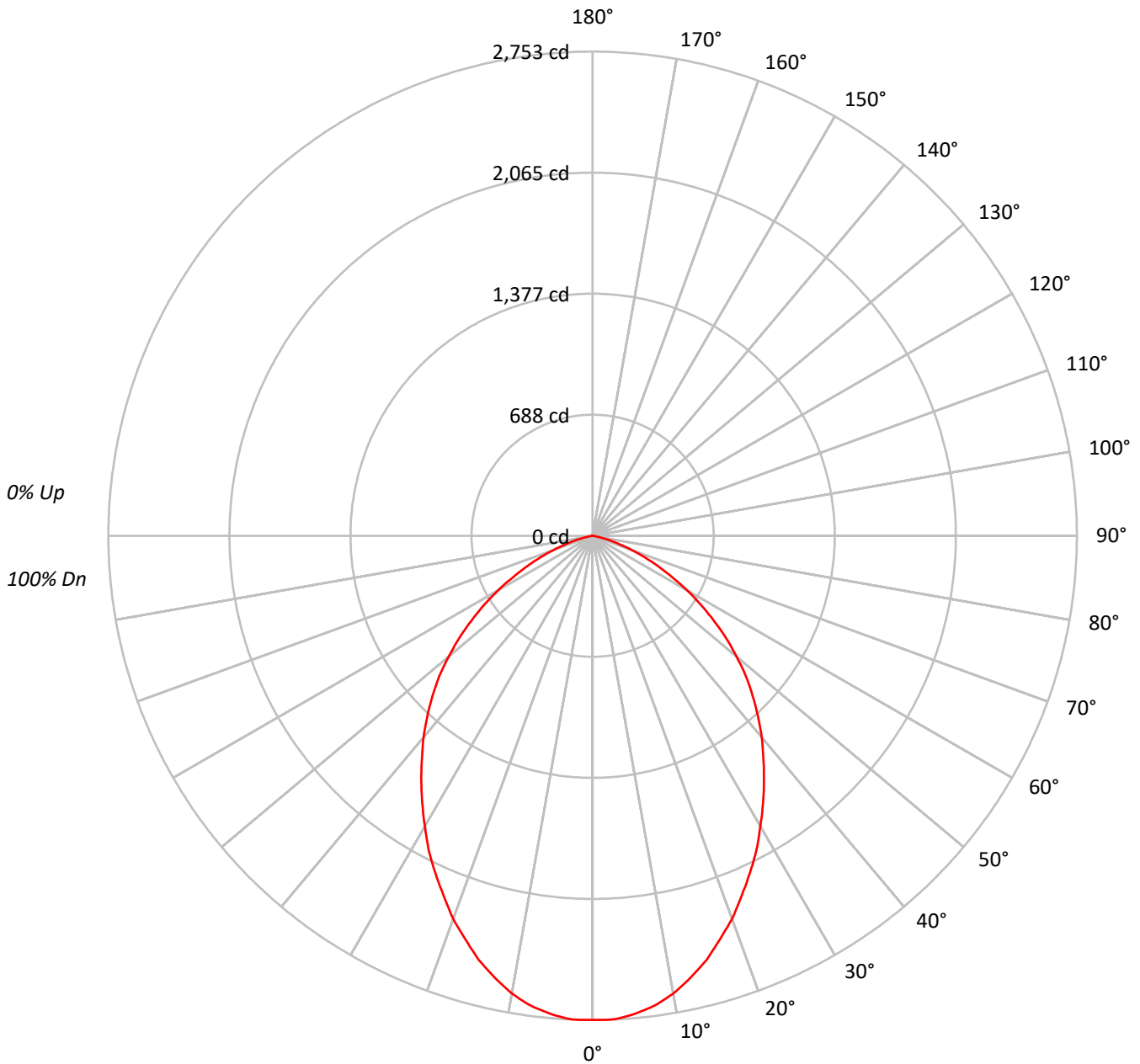
Lumens per Lamp: N/A
Luminaire Lumens: 5264.0 lumens
Efficiency: N/A
Efficacy: 90.1 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 58.4
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°	338216
5°	336659
10°	329711
15°	317727
20°	303090
25°	286764
30°	270497
35°	254690
40°	239807
45°	223553
50°	203836
55°	180025
60°	152387
65°	119621
70°	85382
75°	46802
80°	8278
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	257.9	4.9
10°-20°	700.9	13.3
20°-30°	973.4	18.5
30°-40°	1062.2	20.2
40°-50°	990.9	18.8
50°-60°	752.1	14.3
60°-70°	411.8	7.8
70°-80°	113.3	2.2
80°-90°	1.6	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°	1932.2	36.7
0°-40°	2994.4	56.9
0°-60°	4737.3	90.0
0°-90°	5264.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5264.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2753	
5°	2730	258
15°	2498	701
25°	2116	973
35°	1698	1062
45°	1287	991
55°	840	752
65°	412	412
75°	99	113
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2753.0
2.5°	2753.0
5°	2729.9
7.5°	2695.2
10°	2643.0
12.5°	2573.5
15°	2498.1
17.5°	2405.4
20°	2318.3
22.5°	2214.0
25°	2115.5
27.5°	2017.0
30°	1906.8
32.5°	1802.5
35°	1698.2
37.5°	1593.9
40°	1495.3
42.5°	1391.0
45°	1286.7
47.5°	1182.3
50°	1066.5
52.5°	956.3
55°	840.5
57.5°	730.2
60°	620.2
62.5°	510.1
65°	411.5
67.5°	318.7
70°	237.7
72.5°	162.3
75°	98.6
77.5°	46.3
80°	11.7
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)