

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: P839592

Luminaire Tested: **LDS4C05D010 EU4059050 4LBSH**

Issue Date: 8/24/2022

Test Information

Test Method: LM-79-08
Report Number: P839592
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: LDS4C05D010 EU4059050 4LBSH
Description: 4 INCH 500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS AND 4LBS TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

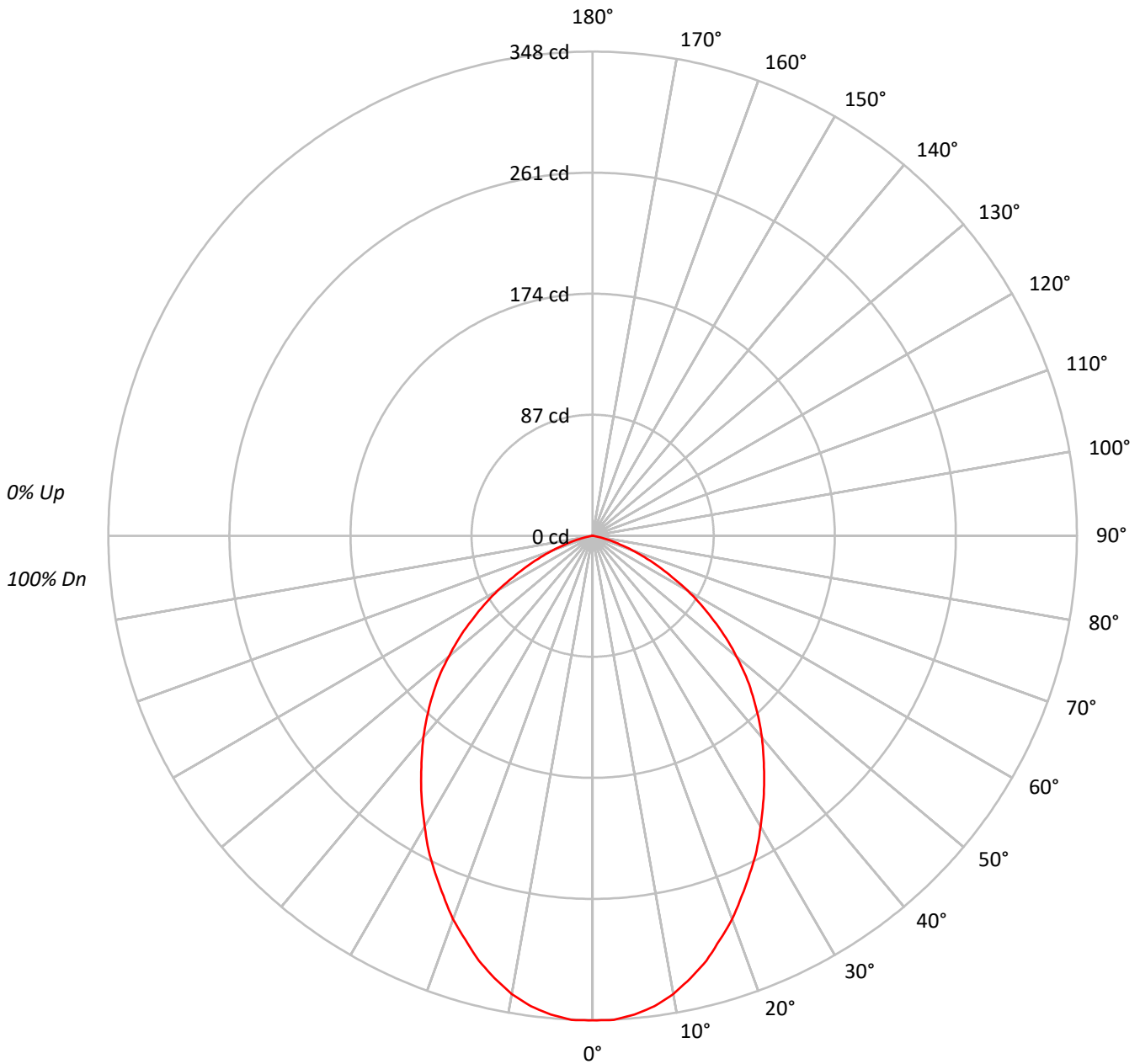
Lumens per Lamp: N/A
Luminaire Lumens: 666.0 lumens
Efficiency: N/A
Efficacy: 92.5 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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
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°	42790
5°	42596
10°	41716
15°	40204
20°	38345
25°	36274
30°	34231
35°	32230
40°	30343
45°	28285
50°	25783
55°	22768
60°	19288
65°	15145
70°	10812
75°	5933
80°	1061
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.6	4.9
10°-20°	88.7	13.3
20°-30°	123.1	18.5
30°-40°	134.4	20.2
40°-50°	125.4	18.8
50°-60°	95.2	14.3
60°-70°	52.1	7.8
70°-80°	14.4	2.2
80°-90°	0.2	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°	244.5	36.7
0°-40°	378.9	56.9
0°-60°	599.4	90.0
0°-90°	666.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	666.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	348	
5°	345	33
15°	316	89
25°	268	123
35°	215	134
45°	163	125
55°	106	95
65°	52	52
75°	12	14
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	348.3
2.5°	348.3
5°	345.4
7.5°	341.0
10°	334.4
12.5°	325.6
15°	316.1
17.5°	304.3
20°	293.3
22.5°	280.1
25°	267.6
27.5°	255.2
30°	241.3
32.5°	228.1
35°	214.9
37.5°	201.7
40°	189.2
42.5°	176.0
45°	162.8
47.5°	149.6
50°	134.9
52.5°	121.0
55°	106.3
57.5°	92.4
60°	78.5
62.5°	64.5
65°	52.1
67.5°	40.3
70°	30.1
72.5°	20.5
75°	12.5
77.5°	5.9
80°	1.5
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)