

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: P839588

Luminaire Tested: **LDS4C05D010 EU4059050 4LBPSMB**

Issue Date: 8/24/2022

Test Information

Test Method: LM-79-08
Report Number: P839588
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: LDS4C05D010 EU4059050 4LBPSMB
Description: 4 INCH 500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS AND 4LBPS TRIM WITH MB FINISH
Light Source: -
Ballast/Driver: -

Summary

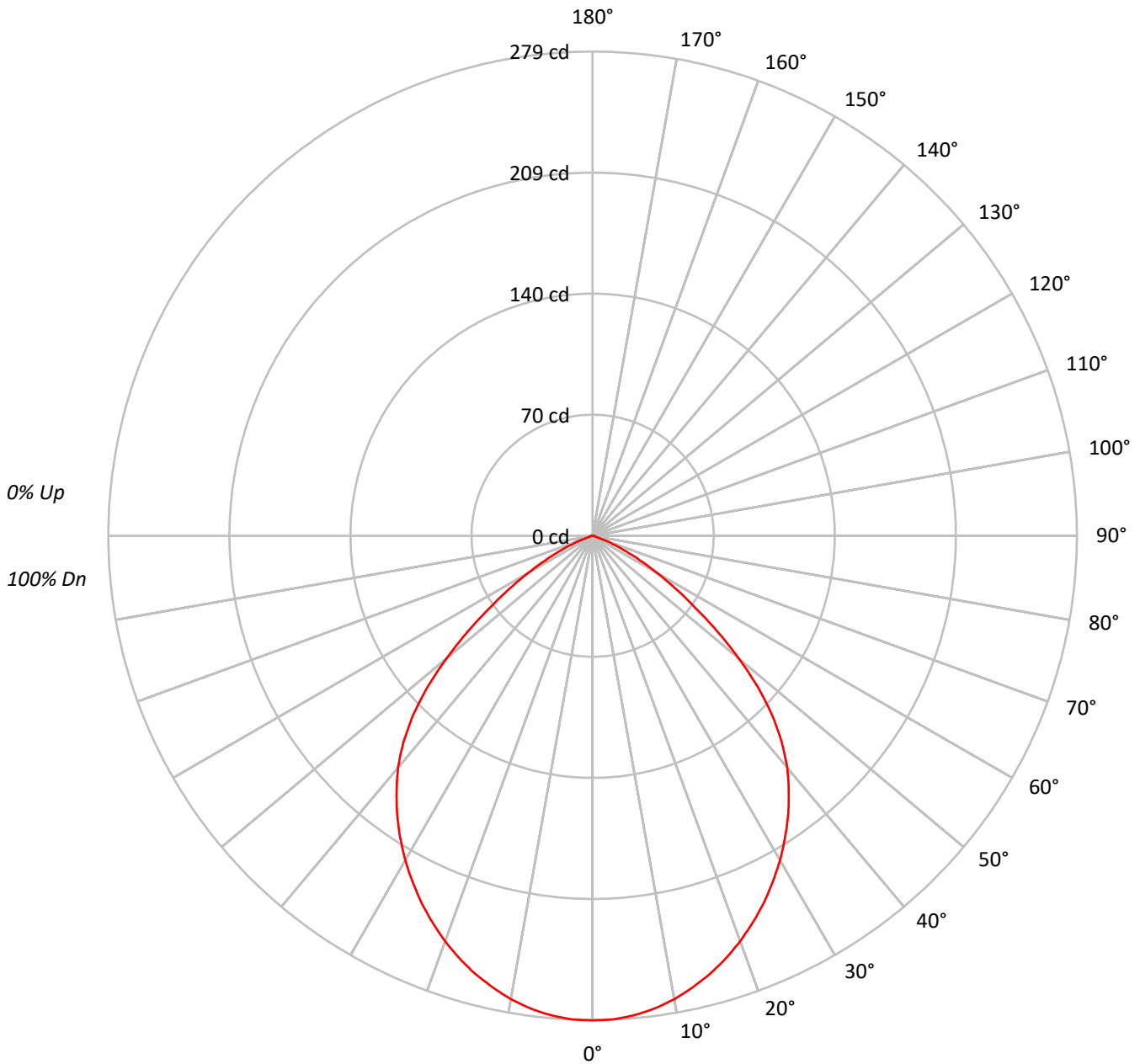
Lumens per Lamp: N/A
Luminaire Lumens: 532.0 lumens
Efficiency: N/A
Efficacy: 73.9 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	92	90	90	90	90
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79	79	79	79
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	72	70	70	70	70
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	62	62	62	62
5	83	72	64	59	81	71	64	58	69	63	58	67	61	57	65	60	57	55	55	55	55
6	77	65	58	52	75	65	57	52	63	56	52	61	56	51	60	55	51	49	49	49	49
7	72	60	52	47	70	59	52	47	58	51	46	56	50	46	55	50	46	44	44	44	44
8	67	55	47	42	66	54	47	42	53	47	42	52	46	42	51	46	41	40	40	40	40
9	63	51	43	38	62	50	43	38	49	43	38	48	42	38	47	42	38	36	36	36	36
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	39	35	33	33	33	33

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	34313
5°	34197
10°	33819
15°	33247
20°	32501
25°	31625
30°	30627
35°	29455
40°	27969
45°	25436
50°	20986
55°	15464
60°	10492
65°	6134
70°	2443
75°	570
80°	707
85°	1269



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.3	4.9
10°-20°	73.6	13.8
20°-30°	107.3	20.2
30°-40°	122.5	23.0
40°-50°	111.4	20.9
50°-60°	65.7	12.4
60°-70°	22.0	4.1
70°-80°	2.3	0.4
80°-90°	0.8	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°	207.2	38.9
0°-40°	329.7	62.0
0°-60°	506.8	95.3
0°-90°	532.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	532.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	279	
5°	277	26
15°	261	74
25°	233	107
35°	196	123
45°	146	111
55°	72	66
65°	21	22
75°	1	2
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	279.3
2.5°	278.9
5°	277.3
7.5°	274.7
10°	271.1
12.5°	266.5
15°	261.4
17.5°	255.3
20°	248.6
22.5°	241.2
25°	233.3
27.5°	224.7
30°	215.9
32.5°	206.3
35°	196.4
37.5°	185.6
40°	174.4
42.5°	161.3
45°	146.4
47.5°	129.1
50°	109.8
52.5°	90.6
55°	72.2
57.5°	56.5
60°	42.7
62.5°	30.9
65°	21.1
67.5°	12.9
70°	6.8
72.5°	2.6
75°	1.2
77.5°	1.2
80°	1.0
82.5°	0.9
85°	0.9
87.5°	0.7
90°	0.0



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— 0°-180°







(END OF REPORT)