

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: P839275

Luminaire Tested: **LD4C35D010 EU4359040 4LBPSMW**

Issue Date: 6/29/2023



Test Information

Test Method: LM-79-08
Report Number: P839275
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-17)
Test Lab: INNOVATION CENTER
Issue Date: 6/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C35D010 EU4359040 4LBPSMW
Description: 4 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 4LBPS TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

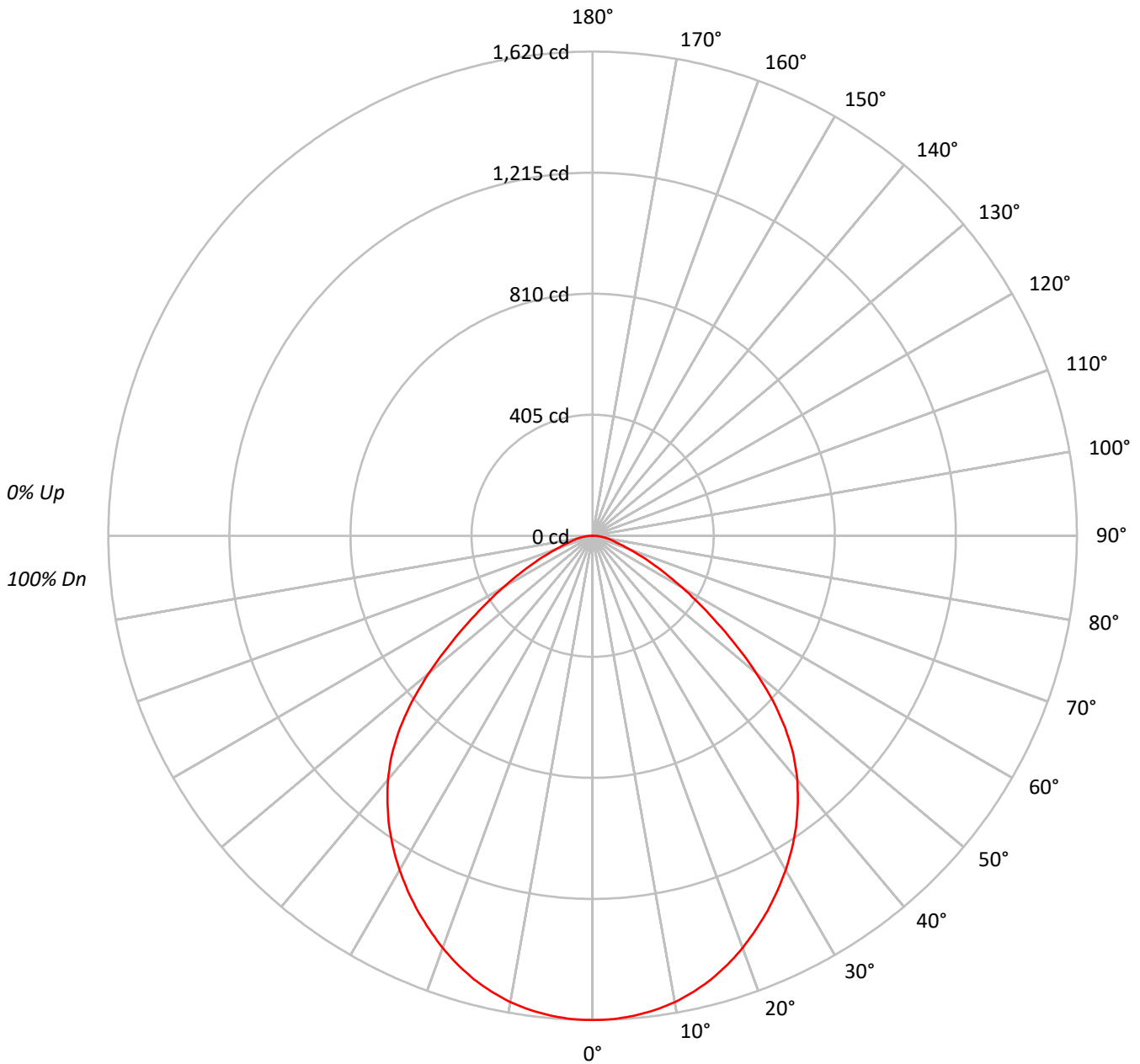
Lumens per Lamp: N/A
Luminaire Lumens: 3455.0 lumens
Efficiency: N/A
Efficacy: 85.5 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 40.4
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									
RC	80									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	103	100	108	105	101	98	100	98	95	97	94	92	93	91	90	88																			
2	102	95	89	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76																			
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66																			
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58																			
5	81	69	61	55	79	68	60	55	66	59	54	64	58	54	62	57	53	51																			
6	75	63	55	49	73	62	54	49	60	53	48	59	52	48	57	52	47	46																			
7	70	57	49	44	68	57	49	43	55	48	43	54	47	43	52	47	43	41																			
8	65	53	45	39	64	52	44	39	51	44	39	49	43	39	48	43	38	37																			
9	61	48	41	36	60	48	41	35	47	40	35	46	40	35	45	39	35	33																			
10	57	45	37	32	56	44	37	32	43	37	32	42	36	32	42	36	32	30																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	199072
5°	198747
10°	197664
15°	195372
20°	191832
25°	187674
30°	183211
35°	177977
40°	170814
45°	158452
50°	136502
55°	108893
60°	84769
65°	63459
70°	46049
75°	36502
80°	34172
85°	34112



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.0	4.4
10°-20°	432.6	12.5
20°-30°	637.5	18.5
30°-40°	740.6	21.4
40°-50°	696.1	20.1
50°-60°	460.8	13.3
60°-70°	222.0	6.4
70°-80°	85.6	2.5
80°-90°	26.7	0.8
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°	1223.1	35.4
0°-40°	1963.7	56.8
0°-60°	3120.6	90.3
0°-90°	3455.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3455.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1620	
5°	1612	153
15°	1536	433
25°	1384	638
35°	1187	741
45°	912	696
55°	508	461
65°	218	222
75°	77	86
85°	24	27
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1620.4
2.5°	1618.9
5°	1611.6
7.5°	1600.6
10°	1584.5
12.5°	1562.5
15°	1536.1
17.5°	1503.9
20°	1467.3
22.5°	1427.0
25°	1384.5
27.5°	1339.1
30°	1291.5
32.5°	1240.9
35°	1186.7
37.5°	1127.4
40°	1065.1
42.5°	994.8
45°	912.0
47.5°	818.2
50°	714.2
52.5°	608.7
55°	508.4
57.5°	421.9
60°	345.0
62.5°	276.2
65°	218.3
67.5°	169.2
70°	128.2
72.5°	97.4
75°	76.9
77.5°	62.3
80°	48.3
82.5°	35.9
85°	24.2
87.5°	13.9
90°	0.0



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— 0°-180°







(END OF REPORT)