

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: P839377

Luminaire Tested: **LD4C70D010 EU4709035 4LBPSMW**

Issue Date: 6/29/2023

Test Information

Test Method: LM-79-08
Report Number: P839377
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: LD4C70D010 EU4709035 4LBPSMW
Description: 4 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 4LBPS TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6970.9 lumens
Efficiency: N/A
Efficacy: 89.4 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

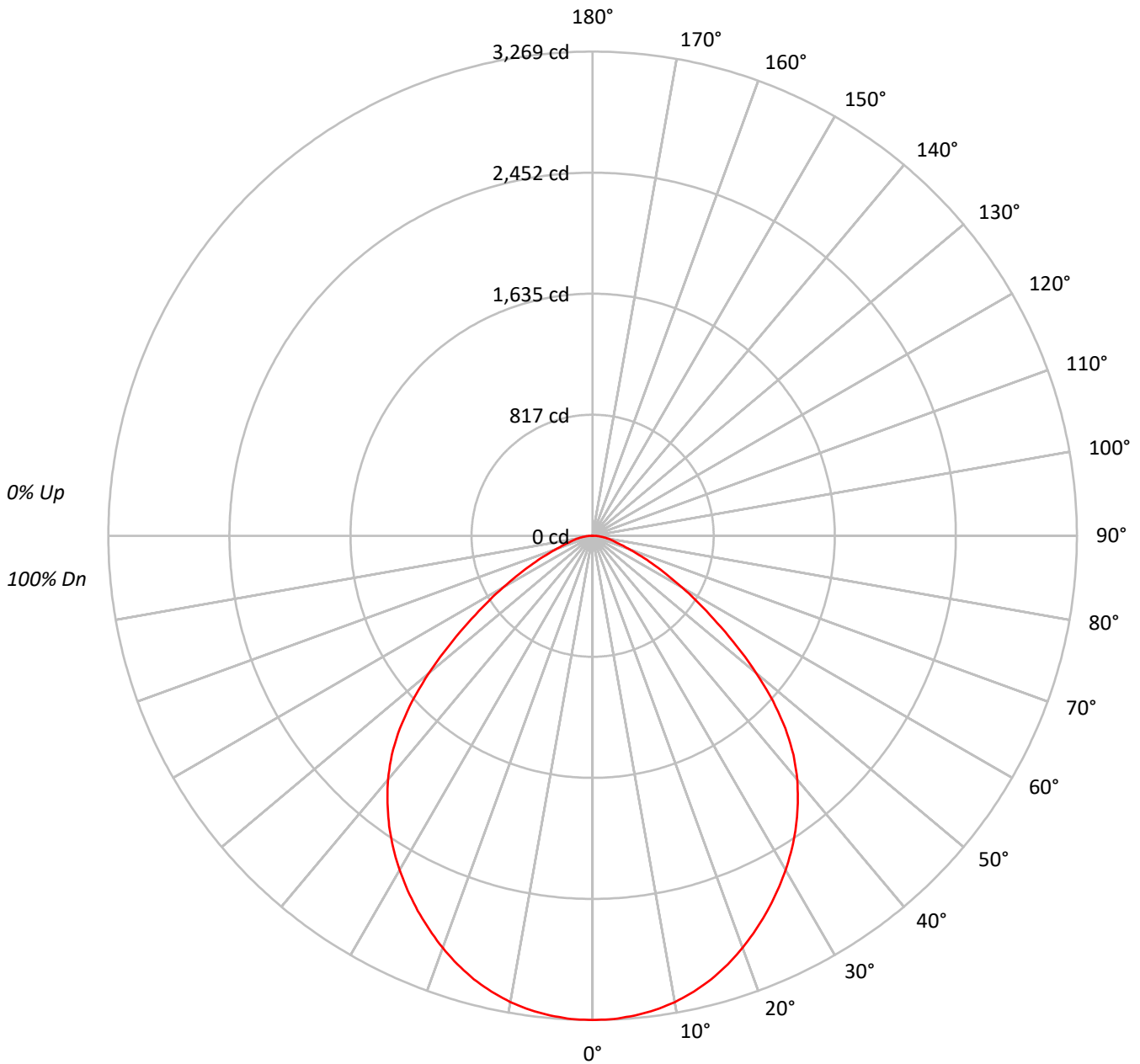
Input Watts (W): 78
Input Voltage (V):
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
1	111	107	103	100	108	105	101	98	100	98	95	97	94	92	93	91	90	88			88
2	102	95	89	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76			76
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66			66
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58			58
5	81	69	61	55	79	68	60	55	66	59	54	64	58	54	62	57	53	51			51
6	75	63	55	49	73	62	54	49	60	53	48	59	52	48	57	52	47	46			46
7	70	57	49	44	68	57	49	43	55	48	43	54	47	43	52	47	43	41			41
8	65	53	45	39	64	52	44	39	51	44	39	49	43	39	48	43	38	37			37
9	61	48	41	36	60	48	41	35	47	40	35	46	40	35	45	39	35	33			33
10	57	45	37	32	56	44	37	32	43	37	32	42	36	32	42	36	32	30			30

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	401645
5°	400996
10°	398809
15°	394204
20°	387037
25°	378656
30°	369642
35°	359103
40°	344643
45°	319701
50°	275413
55°	219693
60°	171037
65°	128023
70°	92889
75°	73669
80°	68980
85°	68788



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	308.7	4.4
10°-20°	872.9	12.5
20°-30°	1286.3	18.5
30°-40°	1494.2	21.4
40°-50°	1404.5	20.1
50°-60°	929.7	13.3
60°-70°	448.0	6.4
70°-80°	172.8	2.5
80°-90°	53.9	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°	2467.8	35.4
0°-40°	3962.1	56.8
0°-60°	6296.3	90.3
0°-90°	6970.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6970.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3269	
5°	3252	309
15°	3099	873
25°	2793	1286
35°	2394	1494
45°	1840	1405
55°	1026	930
65°	440	448
75°	155	173
85°	49	54
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3269.3
2.5°	3266.4
5°	3251.6
7.5°	3229.4
10°	3196.9
12.5°	3152.6
15°	3099.4
17.5°	3034.3
20°	2960.4
22.5°	2879.1
25°	2793.4
27.5°	2701.8
30°	2605.7
32.5°	2503.7
35°	2394.4
37.5°	2274.6
40°	2149.0
42.5°	2007.1
45°	1840.1
47.5°	1650.9
50°	1441.0
52.5°	1228.2
55°	1025.7
57.5°	851.3
60°	696.1
62.5°	557.2
65°	440.4
67.5°	341.4
70°	258.6
72.5°	196.6
75°	155.2
77.5°	125.6
80°	97.5
82.5°	72.4
85°	48.8
87.5°	28.1
90°	0.0



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— 0°-180°







(END OF REPORT)