

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: P859364

Luminaire Tested: **LD4C65D010 EU4659035 4LBMDSWWH**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P859364
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2309-186-3)
Test Lab: INNOVATION CENTER
Issue Date: 4/12/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C65D010 EU4659035 4LBMDSWWH
Description: 4 INCH 6500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 4LBMDSW TRIM WITH WH FINISH
Light Source: -
Ballast/Driver: -

Summary

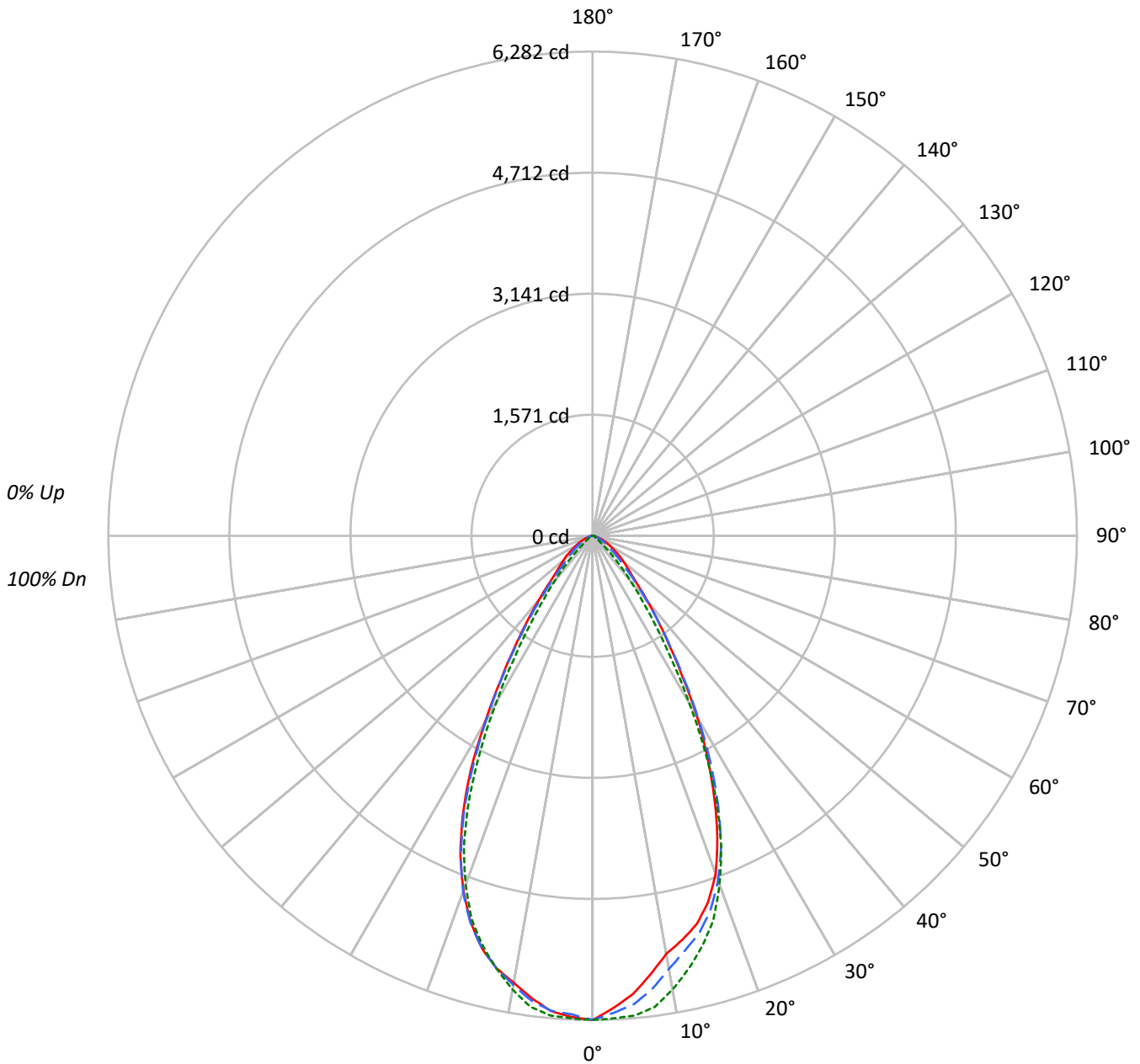
Lumens per Lamp: N/A
Luminaire Lumens: 5719.0 lumens
Efficiency: N/A
Efficacy: 79.0 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.85
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 72.4
Input Voltage (V): NR
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	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	92				92				
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85				85				
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78				78				
4	96	88	82	77	94	86	81	77	84	80	76	82	78	75	80	77	74	72				72				
5	91	82	75	71	89	81	75	71	79	74	70	77	73	69	76	72	69	67				67				
6	86	76	70	66	84	76	70	65	74	69	65	73	68	64	71	67	64	62				62				
7	81	72	65	61	80	71	65	61	70	64	60	68	64	60	67	63	60	58				58				
8	77	67	61	57	76	67	61	57	66	60	56	65	60	56	64	59	56	55				55				
9	74	63	57	53	72	63	57	53	62	57	53	61	56	53	60	56	53	51				51				
10	70	60	54	50	69	60	54	50	59	53	50	58	53	50	57	53	49	48				48				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	771790	771790	771790
5°	736459	770558	763380
10°	686879	745573	734682
15°	663282	700306	705241
20°	610128	629150	640577
25°	505683	514888	539884
30°	384693	355782	395701
35°	260464	213176	263374
40°	177389	122141	171937
45°	123061	61522	116320
50°	100131	25038	93652
55°	81049	15593	73767
60°	64375	11917	58405
65°	50756	9884	45116
70°	38327	8729	34842
75°	27626	6930	25347
80°	20588	6863	17192
85°	13673	6907	13673



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	577.6	10.1
10°-20°	1517.6	26.5
20°-30°	1741.2	30.4
30°-40°	1057.8	18.5
40°-50°	453.3	7.9
50°-60°	217.5	3.8
60°-70°	105.7	1.8
70°-80°	39.3	0.7
80°-90°	9.1	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°	3836.4	67.1
0°-40°	4894.2	85.6
0°-60°	5565.0	97.3
0°-90°	5719.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5719.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	6282	6282	6282	6282	6282	
5°	5972	6103	6248	6185	6190	555
15°	5215	5336	5506	5540	5545	1452
25°	3730	3852	3798	3944	3983	1692
35°	1737	1761	1421	1717	1756	1113
45°	708	631	354	568	670	575
55°	378	281	73	252	344	342
65°	175	116	34	107	155	177
75°	58	39	15	34	53	64
85°	10	10	5	5	10	13
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	6282.2	6282.2	6282.2	6282.2	6282.2	6282.2	6282.2	6282.2	6282.2
2.5°	6131.9	6199.8	6194.9	6253.1	6267.7	6253.1	6214.3	6253.1	6248.3
5°	5971.8	6049.4	6102.7	6199.8	6248.3	6238.6	6185.2	6194.9	6190.1
7.5°	5738.9	5835.9	5928.1	6073.6	6165.8	6161.0	6083.3	6068.8	6049.4
10°	5506.1	5598.2	5705.0	5855.3	5976.6	5996.0	5918.4	5899.0	5889.3
12.5°	5370.2	5443.0	5515.8	5646.7	5753.5	5792.3	5748.6	5753.5	5748.6
15°	5215.0	5287.8	5336.3	5433.3	5506.1	5559.4	5540.0	5569.1	5544.9
17.5°	4982.1	5069.5	5088.9	5161.6	5215.0	5248.9	5268.3	5297.5	5258.6
20°	4666.8	4734.7	4759.0	4788.1	4812.3	4856.0	4914.2	4943.3	4899.7
22.5°	4225.4	4356.3	4351.5	4336.9	4361.2	4375.7	4467.9	4516.4	4482.5
25°	3730.5	3866.4	3851.8	3793.6	3798.4	3827.6	3944.0	4007.0	3982.8
27.5°	3211.5	3337.6	3303.6	3192.1	3162.9	3206.6	3357.0	3429.8	3415.2
30°	2711.8	2794.3	2740.9	2542.0	2508.0	2561.4	2755.5	2828.2	2789.4
32.5°	2173.3	2236.4	2212.1	1969.6	1911.4	1964.7	2192.7	2260.6	2217.0
35°	1736.7	1794.9	1761.0	1474.7	1421.4	1479.6	1717.3	1794.9	1756.1
37.5°	1392.3	1435.9	1392.3	1086.7	1038.1	1096.4	1324.4	1426.2	1377.7
40°	1106.1	1140.0	1081.8	800.4	761.6	790.7	1004.2	1106.1	1072.1
42.5°	873.2	897.5	834.4	587.0	543.3	582.1	756.8	849.0	829.5
45°	708.3	708.3	630.6	407.5	354.1	392.9	567.6	664.6	669.5
47.5°	606.4	591.8	494.8	271.7	203.7	257.1	451.2	553.0	567.6
50°	523.9	504.5	407.5	198.9	131.0	184.3	373.5	475.4	490.0
52.5°	451.2	436.6	339.6	155.2	92.2	140.7	315.3	412.3	426.9
55°	378.4	368.7	281.4	121.3	72.8	106.7	252.3	334.7	344.4
57.5°	310.5	295.9	228.0	101.9	58.2	87.3	208.6	276.5	286.2
60°	262.0	247.4	184.3	82.5	48.5	67.9	169.8	228.0	237.7
62.5°	218.3	203.7	150.4	67.9	38.8	58.2	135.8	184.3	194.0
65°	174.6	164.9	116.4	53.4	34.0	43.7	106.7	145.5	155.2
67.5°	140.7	131.0	92.2	43.7	29.1	34.0	82.5	116.4	126.1
70°	106.7	97.0	67.9	34.0	24.3	29.1	63.1	87.3	97.0
72.5°	77.6	72.8	53.4	29.1	19.4	24.3	43.7	63.1	72.8
75°	58.2	53.4	38.8	19.4	14.6	19.4	34.0	48.5	53.4
77.5°	38.8	38.8	29.1	14.6	14.6	14.6	24.3	34.0	34.0
80°	29.1	24.3	19.4	9.7	9.7	9.7	14.6	24.3	24.3
82.5°	19.4	14.6	14.6	9.7	9.7	9.7	9.7	14.6	14.6
85°	9.7	9.7	9.7	4.9	4.9	4.9	4.9	9.7	9.7
87.5°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)