

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: P799632

Luminaire Tested: **LD6C35D010 EU6359040 6LBMDDWWH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799632
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2309-186-6)
Test Lab: INNOVATION CENTER
Issue Date: 4/12/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C35D010 EU6359040 6LBMDDWWH
Description: 6 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH WH FINISH
Light Source: -
Ballast/Driver: -

Summary

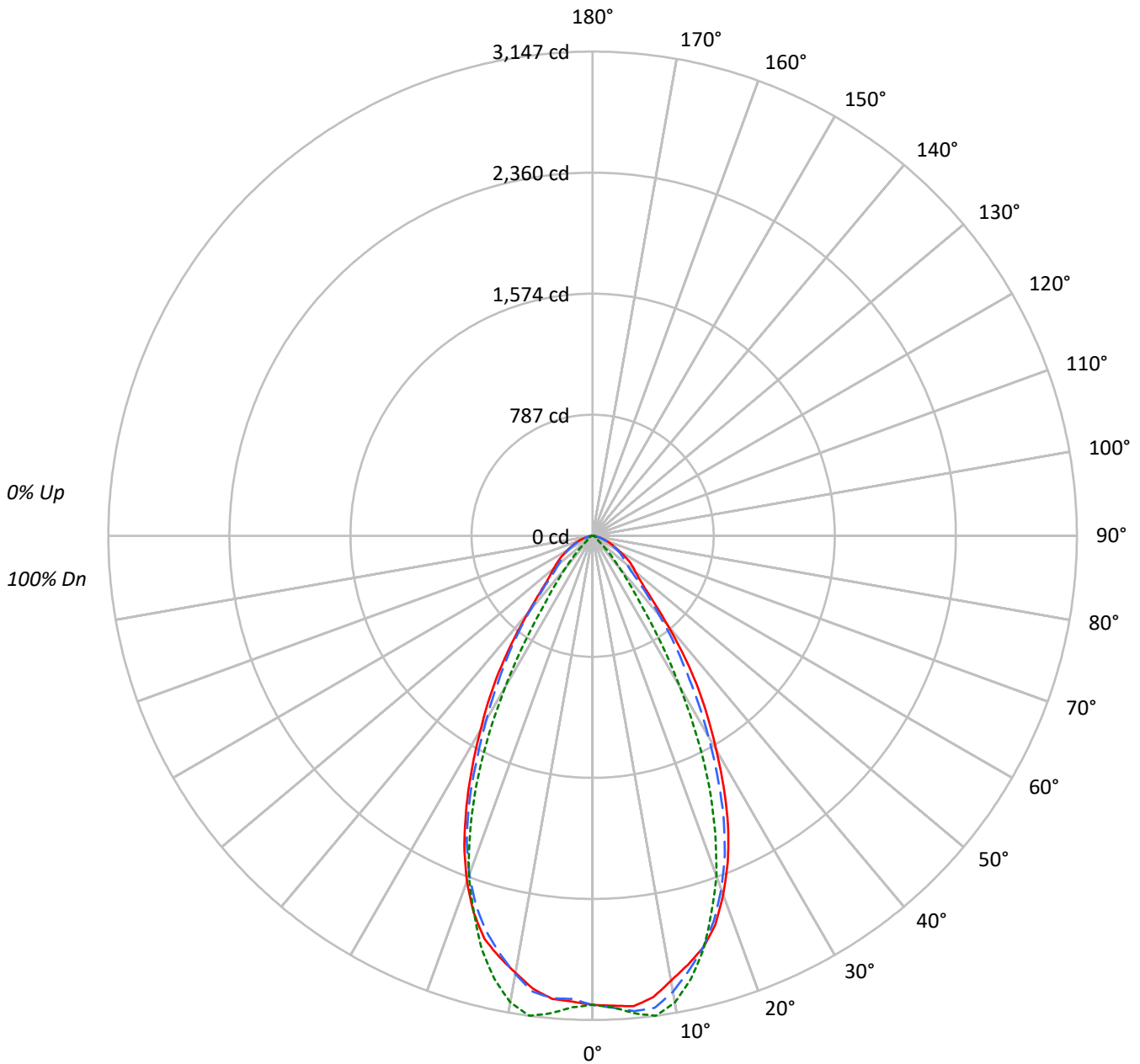
Lumens per Lamp: N/A
Luminaire Lumens: 3104.0 lumens
Efficiency: N/A
Efficacy: 76.8 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 40.4
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	112	109	106	104	110	107	105	102	103	101	99	99	98	96	96	94	93	91			91
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83			83
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76			76
4	94	85	79	74	92	84	78	74	82	77	73	80	76	72	78	74	71	70			70
5	89	79	73	68	87	78	72	68	76	71	67	75	70	66	73	69	66	64			64
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59			59
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	55			55
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51			51
9	71	61	55	50	70	60	54	50	59	54	50	58	53	50	58	53	50	48			48
10	68	57	51	47	67	57	51	47	56	51	47	55	50	47	55	50	47	45			45

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	167141	167141	167141
5°	168891	171450	166244
10°	163418	171451	160574
15°	157282	157901	153940
20°	144755	137159	139330
25°	125983	108157	117352
30°	101604	71859	92179
35°	78775	37049	69225
40°	54051	19200	46616
45°	37035	9621	32701
50°	30813	4102	28042
55°	27717	3555	25050
60°	21939	3399	20919
65°	18108	3022	17901
70°	14666	2741	14666
75°	10845	2965	11501
80°	6377	2462	6851
85°	4906	2956	4906



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	290.2	9.4
10°-20°	761.8	24.5
20°-30°	869.5	28.0
30°-40°	576.6	18.6
40°-50°	278.1	9.0
50°-60°	171.1	5.5
60°-70°	103.5	3.3
70°-80°	43.6	1.4
80°-90°	9.6	0.3
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°	1921.5	61.9
0°-40°	2498.1	80.5
0°-60°	2947.3	95.0
0°-90°	3104.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3104.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	3049	3049	3049	3049	3049	
5°	3069	3102	3116	3016	3021	288
15°	2771	2771	2782	2664	2712	772
25°	2083	2013	1788	1892	1940	944
35°	1177	1038	554	968	1034	728
45°	478	419	124	391	422	390
55°	290	236	37	236	262	255
65°	140	133	23	126	138	140
75°	51	51	14	48	54	55
85°	8	11	5	8	8	10
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°	3048.9	3048.9	3048.9	3048.9	3048.9	3048.9	3048.9	3048.9	3048.9
2.5°	3056.7	3061.4	3070.7	3072.2	3067.6	3038.1	3013.3	3022.6	3030.3
5°	3069.1	3078.4	3101.7	3123.4	3115.6	3066.0	3016.4	3014.8	3021.0
7.5°	3024.1	3045.8	3093.9	3148.2	3146.7	3061.4	2988.5	2969.9	2969.9
10°	2935.7	2955.9	3008.6	3081.5	3080.0	2973.0	2892.3	2883.0	2884.6
12.5°	2856.6	2865.9	2892.3	2949.7	2949.7	2844.2	2782.2	2791.5	2803.9
15°	2771.3	2777.6	2771.3	2790.0	2782.2	2695.4	2664.3	2693.8	2712.4
17.5°	2650.4	2653.5	2620.9	2596.1	2566.6	2512.4	2520.1	2563.5	2568.2
20°	2481.3	2501.5	2442.6	2379.0	2351.1	2299.9	2343.3	2391.4	2388.3
22.5°	2295.2	2318.5	2242.5	2137.1	2079.7	2059.5	2137.1	2180.5	2178.9
25°	2082.8	2099.8	2013.0	1865.7	1788.1	1785.0	1892.0	1937.0	1940.1
27.5°	1843.9	1850.1	1752.4	1560.1	1464.0	1487.3	1622.2	1684.2	1692.0
30°	1605.1	1602.0	1501.2	1262.4	1135.2	1198.8	1380.2	1448.5	1456.2
32.5°	1386.4	1377.1	1262.4	977.0	825.0	919.6	1158.5	1229.8	1242.2
35°	1177.1	1161.6	1037.5	722.7	553.6	694.8	967.7	1029.8	1034.4
37.5°	958.4	950.7	853.0	541.2	386.2	527.3	789.4	834.4	829.7
40°	755.3	755.3	674.6	401.7	268.3	392.4	625.0	665.3	651.4
42.5°	592.4	600.2	531.9	296.2	190.8	291.6	494.7	531.9	516.4
45°	477.7	477.7	418.7	220.2	124.1	217.1	390.8	424.9	421.8
47.5°	404.8	398.6	339.6	161.3	68.2	162.8	328.8	370.7	369.1
50°	361.3	352.0	291.6	127.2	48.1	134.9	288.5	327.2	328.8
52.5°	327.2	313.3	262.1	113.2	41.9	117.9	262.1	293.1	293.1
55°	290.0	282.3	235.7	100.8	37.2	105.5	235.7	263.6	262.1
57.5°	245.0	243.5	210.9	91.5	34.1	93.1	210.9	228.0	221.8
60°	200.1	206.3	183.0	82.2	31.0	83.7	179.9	193.9	190.8
62.5°	167.5	175.2	159.7	72.9	26.4	74.4	152.0	165.9	162.8
65°	139.6	145.8	133.4	62.0	23.3	62.0	125.6	138.0	138.0
67.5°	114.8	119.4	110.1	51.2	20.2	51.2	102.4	113.2	114.8
70°	91.5	94.6	86.8	40.3	17.1	41.9	80.6	91.5	91.5
72.5°	71.3	72.9	68.2	32.6	15.5	32.6	62.0	71.3	71.3
75°	51.2	54.3	51.2	24.8	14.0	24.8	48.1	52.7	54.3
77.5°	29.5	37.2	37.2	20.2	10.9	18.6	34.1	35.7	35.7
80°	20.2	23.3	26.4	14.0	7.8	14.0	21.7	23.3	21.7
82.5°	14.0	15.5	15.5	9.3	6.2	9.3	14.0	15.5	14.0
85°	7.8	10.9	10.9	7.8	4.7	6.2	7.8	9.3	7.8
87.5°	4.7	6.2	7.8	6.2	4.7	4.7	4.7	4.7	3.1
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)