

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: P799635

Luminaire Tested: **LD6C35D010 EU6359040 6LBMDSWH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799635
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2309-186-5)
Test Lab: INNOVATION CENTER
Issue Date: 4/12/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C35D010 EU6359040 6LBMDSWH
Description: 6 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

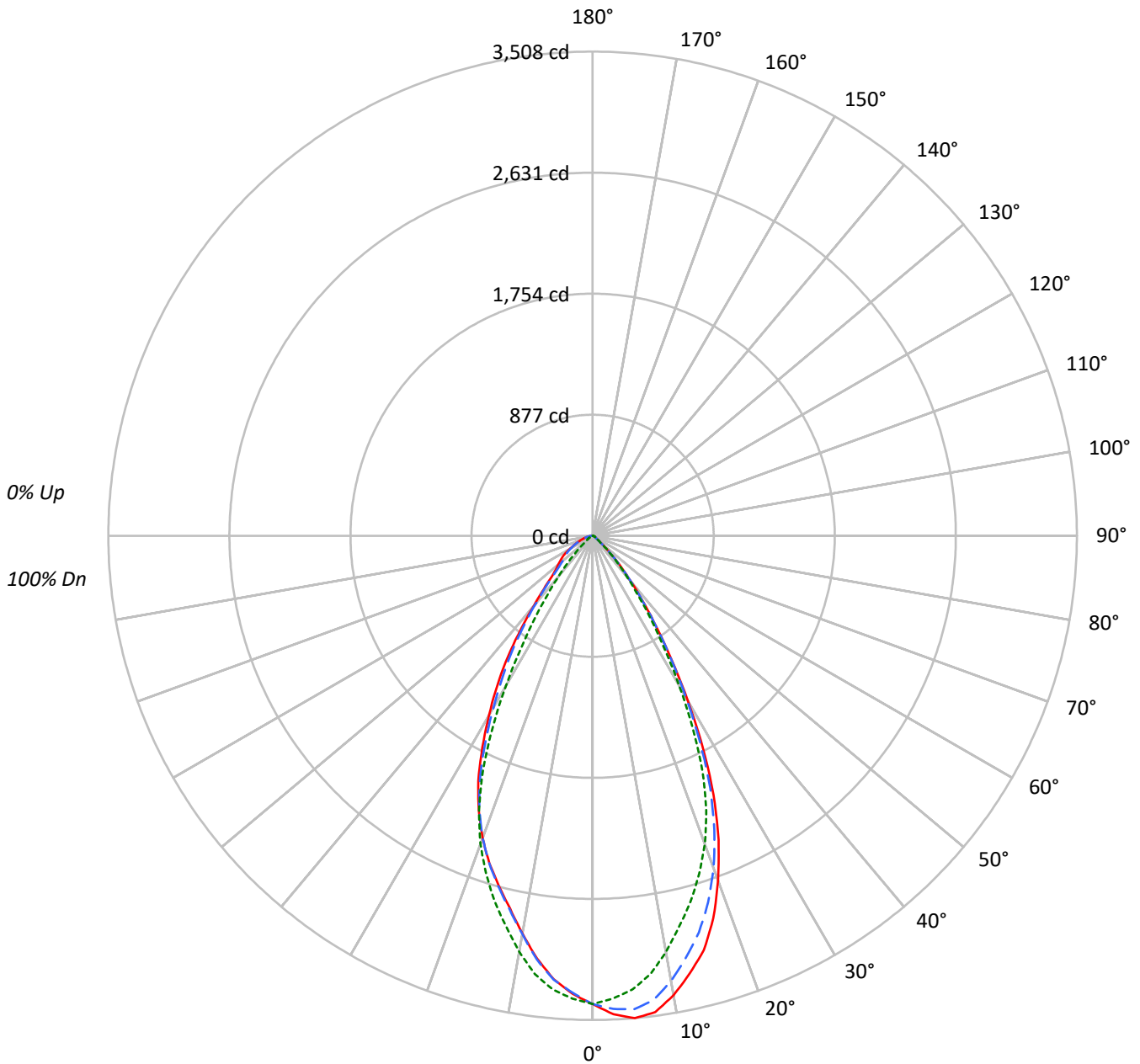
Lumens per Lamp: N/A
Luminaire Lumens: 2921.0 lumens
Efficiency: N/A
Efficacy: 72.3 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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									
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	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92																			
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85																			
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78																			
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	80	77	74	73																			
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67																			
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63																			
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59																			
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55																			
9	74	64	58	54	73	63	58	54	62	57	53	61	57	53	61	56	53	52																			
10	70	60	54	50	69	60	54	50	59	54	50	58	53	50	58	53	50	49																			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	185988	185988	185988
5°	193060	181625	177514
10°	188123	170365	162867
15°	176437	155671	148940
20°	154888	138583	135934
25°	125269	113849	118543
30°	87089	79310	94875
35°	53679	48586	71601
40°	30378	27230	47553
45°	14753	14071	32453
50°	5620	5620	27590
55°	3078	3641	25461
60°	2248	2884	20865
65°	1894	2465	17084
70°	1635	2116	14073
75°	1546	2160	12094
80°	916	1863	8776
85°	943	3711	8303



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	310.6	10.6
10°-20°	780.6	26.7
20°-30°	878.8	30.1
30°-40°	544.2	18.6
40°-50°	216.7	7.4
50°-60°	98.6	3.4
60°-70°	56.7	1.9
70°-80°	26.9	0.9
80°-90°	7.9	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°	1970.0	67.4
0°-40°	2514.2	86.1
0°-60°	2829.5	96.9
0°-90°	2921.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2921.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	3393	3393	3393	3393	3393	
5°	3508	3444	3300	3229	3226	330
15°	3109	2974	2743	2632	2624	860
25°	2071	2015	1882	1929	1960	931
35°	802	798	726	1011	1070	515
45°	190	190	182	395	419	161
55°	32	31	38	234	266	32
65°	15	13	19	130	132	14
75°	7	7	10	56	57	8
85°	2	2	6	13	13	1
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°	3392.7	3392.7	3392.7	3392.7	3392.7	3392.7	3392.7	3392.7	3392.7
2.5°	3470.3	3438.1	3430.8	3402.9	3356.1	3329.8	3313.7	3302.0	3322.4
5°	3508.3	3473.2	3443.9	3386.8	3300.5	3252.2	3228.8	3209.7	3225.8
7.5°	3480.5	3430.8	3391.2	3312.2	3202.4	3127.8	3095.6	3073.6	3088.3
10°	3379.5	3319.5	3274.1	3180.5	3060.5	2971.2	2931.7	2911.2	2925.8
12.5°	3247.8	3198.0	3129.3	3026.8	2898.0	2804.3	2775.1	2759.0	2764.8
15°	3108.8	3050.2	2974.1	2871.7	2742.9	2649.2	2631.6	2621.4	2624.3
17.5°	2906.8	2849.7	2783.8	2684.3	2565.8	2489.6	2489.6	2482.3	2486.7
20°	2655.0	2624.3	2559.9	2476.5	2375.5	2306.7	2328.6	2321.3	2330.1
22.5°	2382.8	2359.4	2303.8	2235.0	2150.1	2095.9	2144.2	2142.8	2154.5
25°	2071.0	2053.5	2015.4	1956.9	1882.2	1848.6	1929.1	1929.1	1959.8
27.5°	1727.1	1709.5	1683.2	1633.4	1571.9	1561.7	1680.3	1694.9	1728.6
30°	1375.8	1364.1	1349.5	1304.1	1252.9	1271.9	1435.8	1460.7	1498.8
32.5°	1062.6	1055.3	1050.9	1009.9	964.5	1027.5	1214.8	1247.0	1285.1
35°	802.1	786.0	797.7	766.9	726.0	805.0	1011.4	1039.2	1069.9
37.5°	591.3	579.6	589.8	567.9	531.3	617.7	812.3	829.9	850.4
40°	424.5	414.2	423.0	409.8	380.5	461.0	636.7	655.7	664.5
42.5°	301.5	283.9	292.7	282.5	267.8	346.9	500.6	518.1	521.1
45°	190.3	184.4	190.3	184.4	181.5	257.6	395.2	411.3	418.6
47.5°	115.6	108.3	108.3	105.4	108.3	190.3	326.4	349.8	361.5
50°	65.9	62.9	61.5	60.0	65.9	149.3	282.5	308.8	323.5
52.5°	43.9	42.4	42.4	41.0	48.3	125.9	254.7	278.1	292.7
55°	32.2	30.7	30.7	30.7	38.1	108.3	234.2	253.2	266.4
57.5°	24.9	24.9	24.9	23.4	32.2	92.2	209.3	219.5	229.8
60°	20.5	19.0	19.0	19.0	26.3	79.0	180.0	184.4	190.3
62.5°	16.1	16.1	16.1	16.1	22.0	70.3	155.1	155.1	158.1
65°	14.6	13.2	13.2	13.2	19.0	61.5	130.3	128.8	131.7
67.5°	11.7	11.7	11.7	11.7	16.1	52.7	106.8	105.4	108.3
70°	10.2	10.2	10.2	10.2	13.2	43.9	86.4	84.9	87.8
72.5°	8.8	8.8	8.8	8.8	11.7	36.6	68.8	68.8	70.3
75°	7.3	7.3	7.3	7.3	10.2	27.8	55.6	55.6	57.1
77.5°	5.9	5.9	5.9	5.9	7.3	22.0	42.4	41.0	41.0
80°	2.9	4.4	4.4	4.4	5.9	16.1	30.7	27.8	27.8
82.5°	1.5	2.9	2.9	2.9	5.9	11.7	20.5	19.0	19.0
85°	1.5	1.5	1.5	4.4	5.9	8.8	13.2	13.2	13.2
87.5°	0.0	1.5	2.9	5.9	7.3	7.3	8.8	7.3	7.3
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)