

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: P799643

Luminaire Tested: **LD6C35D010 EU6359050 6LBMDDWMW**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799643
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 EU6359050 6LBMDDWMW
Description: 6 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

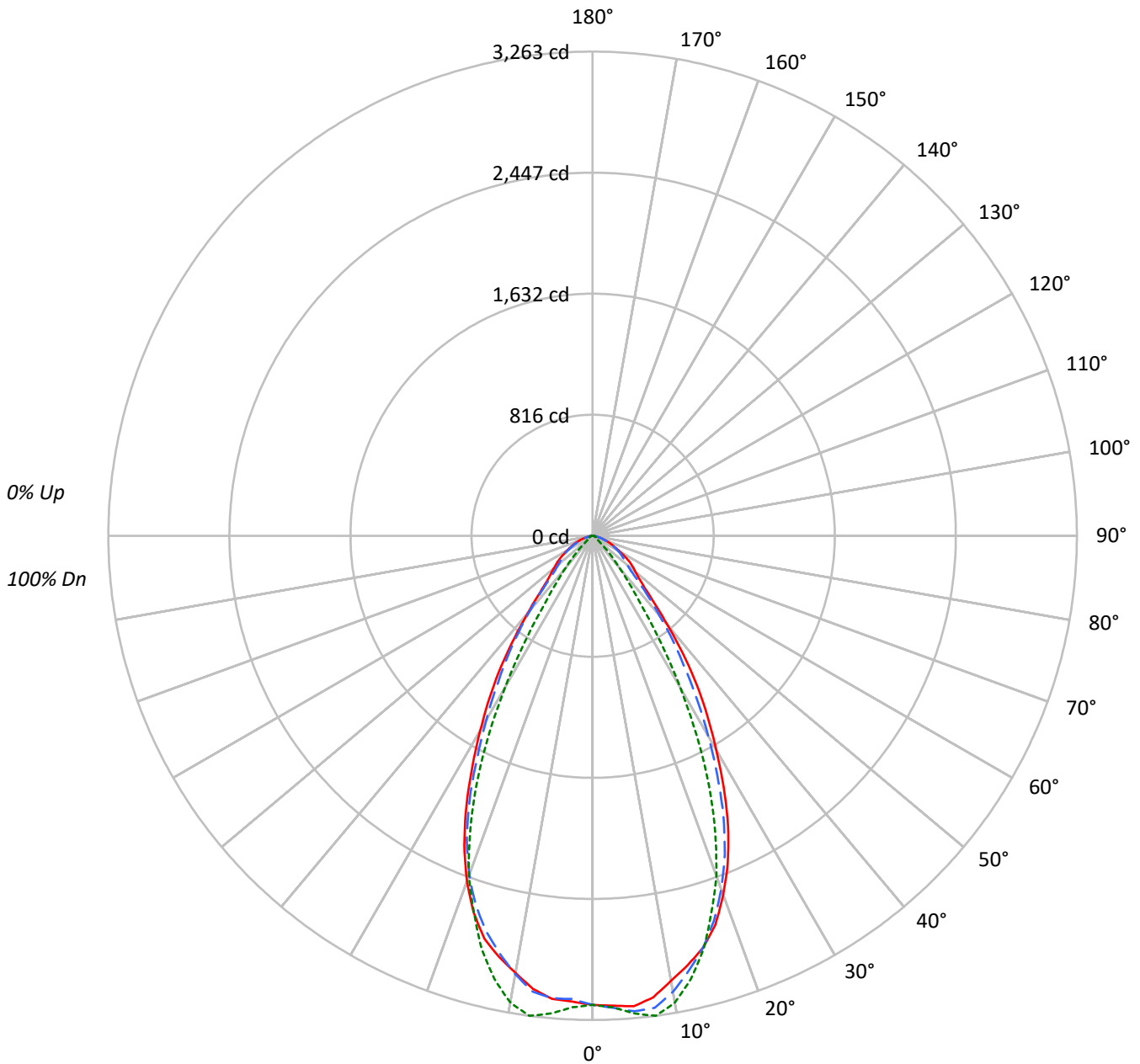
Lumens per Lamp: N/A
Luminaire Lumens: 3219.0 lumens
Efficiency: N/A
Efficacy: 79.7 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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								
1	112	109	106	104	110	107	105	102	103	101	99	99	98	96	96	94	93	91								
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83								
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76								
4	94	85	79	74	92	84	78	74	82	77	73	80	76	72	78	74	71	70								
5	89	79	73	68	87	78	72	68	76	71	67	75	70	66	73	69	66	64								
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59								
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	55								
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51								
9	71	61	55	50	70	60	54	50	59	54	50	58	53	50	58	53	50	48								
10	68	57	51	47	67	57	51	47	56	51	47	55	50	47	55	50	47	45								

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	173336	173336	173336
5°	175148	177806	172408
10°	169475	177802	166519
15°	163111	163752	159643
20°	150122	142241	144493
25°	130647	112168	121701
30°	105371	74524	95597
35°	81693	38427	71788
40°	56048	19909	48341
45°	38407	9978	33918
50°	31956	4256	29082
55°	28749	3689	25978
60°	22750	3530	21687
65°	18770	3126	18562
70°	15211	2837	15211
75°	11247	3071	11925
80°	6598	2526	7103
85°	5032	3019	5032



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	301.0	9.4
10°-20°	790.0	24.5
20°-30°	901.7	28.0
30°-40°	598.0	18.6
40°-50°	288.4	9.0
50°-60°	177.4	5.5
60°-70°	107.3	3.3
70°-80°	45.2	1.4
80°-90°	10.0	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°	1992.7	61.9
0°-40°	2590.7	80.5
0°-60°	3056.5	95.0
0°-90°	3219.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3219.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	3162	3162	3162	3162	3162	
5°	3183	3217	3231	3128	3133	299
15°	2874	2874	2885	2763	2813	801
25°	2160	2088	1854	1962	2012	979
35°	1221	1076	574	1004	1073	755
45°	495	434	129	405	438	404
55°	301	244	39	244	272	264
65°	145	138	24	130	143	145
75°	53	53	14	50	56	57
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°	3161.9	3161.9	3161.9	3161.9	3161.9	3161.9	3161.9	3161.9	3161.9
2.5°	3169.9	3174.8	3184.4	3186.0	3181.2	3150.6	3124.9	3134.6	3142.6
5°	3182.8	3192.5	3216.6	3239.1	3231.1	3179.6	3128.1	3126.5	3133.0
7.5°	3136.2	3158.7	3208.5	3264.8	3263.2	3174.8	3099.2	3079.9	3079.9
10°	3044.5	3065.4	3120.1	3195.7	3194.1	3083.1	2999.5	2989.8	2991.4
12.5°	2962.5	2972.1	2999.5	3059.0	3059.0	2949.6	2885.3	2894.9	2907.8
15°	2874.0	2880.5	2874.0	2893.3	2885.3	2795.2	2763.1	2793.6	2812.9
17.5°	2748.6	2751.8	2718.0	2692.3	2661.7	2605.4	2613.5	2658.5	2663.3
20°	2573.3	2594.2	2533.1	2467.1	2438.2	2385.1	2430.1	2480.0	2476.8
22.5°	2380.3	2404.4	2325.6	2216.2	2156.7	2135.8	2216.2	2261.3	2259.7
25°	2159.9	2177.6	2087.6	1934.8	1854.4	1851.1	1962.1	2008.8	2012.0
27.5°	1912.3	1918.7	1817.4	1617.9	1518.2	1542.4	1682.3	1746.6	1754.6
30°	1664.6	1661.4	1556.8	1309.2	1177.3	1243.2	1431.4	1502.1	1510.2
32.5°	1437.8	1428.2	1309.2	1013.2	855.6	953.7	1201.4	1275.4	1288.2
35°	1220.7	1204.6	1075.9	749.5	574.2	720.5	1003.6	1067.9	1072.7
37.5°	993.9	985.9	884.6	561.3	400.5	546.8	818.6	865.3	860.4
40°	783.2	783.2	699.6	416.5	278.2	406.9	648.1	690.0	675.5
42.5°	614.4	622.4	551.6	307.2	197.8	302.4	513.0	551.6	535.6
45°	495.4	495.4	434.2	228.4	128.7	225.2	405.3	440.7	437.5
47.5°	419.8	413.3	352.2	167.3	70.8	168.9	341.0	384.4	382.8
50°	374.7	365.1	302.4	131.9	49.9	139.9	299.1	339.4	341.0
52.5°	339.4	324.9	271.8	117.4	43.4	122.2	271.8	304.0	304.0
55°	300.8	292.7	244.5	104.5	38.6	109.4	244.5	273.4	271.8
57.5°	254.1	252.5	218.7	94.9	35.4	96.5	218.7	236.4	230.0
60°	207.5	213.9	189.8	85.2	32.2	86.8	186.6	201.0	197.8
62.5°	173.7	181.7	165.7	75.6	27.3	77.2	157.6	172.1	168.9
65°	144.7	151.2	138.3	64.3	24.1	64.3	130.3	143.1	143.1
67.5°	119.0	123.8	114.2	53.1	20.9	53.1	106.1	117.4	119.0
70°	94.9	98.1	90.1	41.8	17.7	43.4	83.6	94.9	94.9
72.5°	74.0	75.6	70.8	33.8	16.1	33.8	64.3	74.0	74.0
75°	53.1	56.3	53.1	25.7	14.5	25.7	49.9	54.7	56.3
77.5°	30.6	38.6	38.6	20.9	11.3	19.3	35.4	37.0	37.0
80°	20.9	24.1	27.3	14.5	8.0	14.5	22.5	24.1	22.5
82.5°	14.5	16.1	16.1	9.6	6.4	9.6	14.5	16.1	14.5
85°	8.0	11.3	11.3	8.0	4.8	6.4	8.0	9.6	8.0
87.5°	4.8	6.4	8.0	6.4	4.8	4.8	4.8	4.8	3.2
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)