

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: P799637

Luminaire Tested: **LD6C35D010 EU6359040 6LBMDSWMW**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799637
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 6LBMDSWMW
Description: 6 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

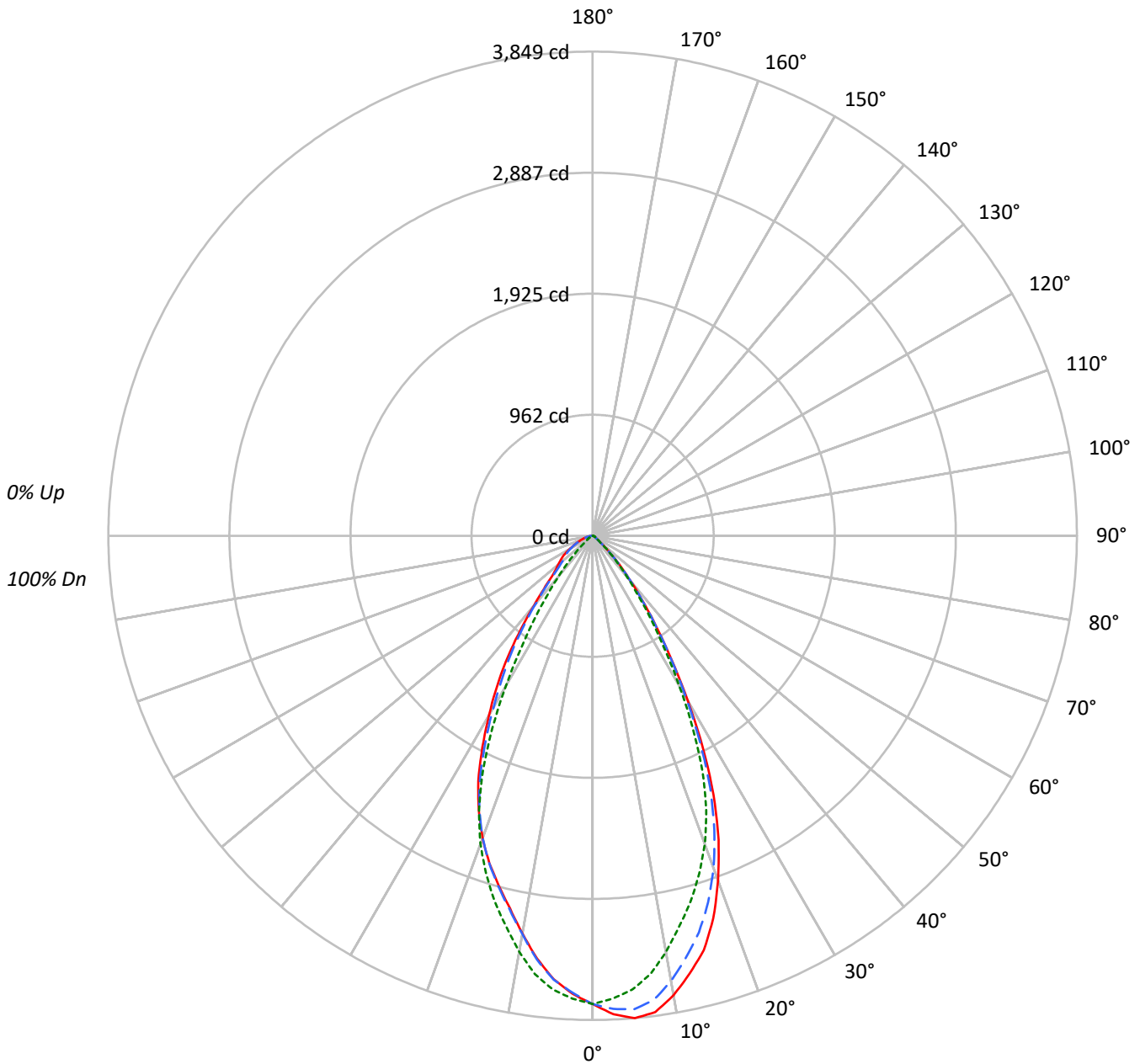
Lumens per Lamp: N/A
Luminaire Lumens: 3205.0 lumens
Efficiency: N/A
Efficacy: 79.3 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	204074	204074	204074
5°	211831	199284	194777
10°	206415	186926	178704
15°	193588	170801	163418
20°	169951	152053	149154
25°	137451	124919	130072
30°	95559	87020	104098
35°	58899	53304	78561
40°	33327	29877	52176
45°	16188	15436	35608
50°	6166	6166	30268
55°	3374	3995	27937
60°	2467	3169	22893
65°	2088	2711	18744
70°	1795	2324	15451
75°	1694	2372	13259
80°	1010	2020	9629
85°	1006	4026	9120



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	340.8	10.6
10°-20°	856.5	26.7
20°-30°	964.2	30.1
30°-40°	597.1	18.6
40°-50°	237.8	7.4
50°-60°	108.2	3.4
60°-70°	62.2	1.9
70°-80°	29.5	0.9
80°-90°	8.6	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°	2161.5	67.4
0°-40°	2758.6	86.1
0°-60°	3104.6	96.9
0°-90°	3205.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3205.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	3723	3723	3723	3723	3723	
5°	3849	3779	3621	3543	3540	363
15°	3411	3263	3010	2888	2879	944
25°	2272	2211	2065	2117	2150	1021
35°	880	875	796	1110	1174	566
45°	209	209	199	434	459	177
55°	35	34	42	257	292	35
65°	16	14	21	143	144	16
75°	8	8	11	61	63	8
85°	2	2	6	14	14	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°	3722.6	3722.6	3722.6	3722.6	3722.6	3722.6	3722.6	3722.6	3722.6
2.5°	3807.7	3772.4	3764.3	3733.8	3682.4	3653.5	3635.8	3623.0	3645.5
5°	3849.4	3810.9	3778.8	3716.1	3621.4	3568.4	3542.7	3521.8	3539.5
7.5°	3818.9	3764.3	3721.0	3634.2	3513.8	3431.9	3396.6	3372.5	3388.5
10°	3708.1	3642.3	3592.5	3489.7	3358.0	3260.1	3216.7	3194.2	3210.3
12.5°	3563.6	3509.0	3433.5	3321.1	3179.8	3077.0	3044.9	3027.2	3033.6
15°	3411.0	3346.8	3263.3	3150.9	3009.5	2906.7	2887.5	2876.2	2879.4
17.5°	3189.4	3126.8	3054.5	2945.3	2815.2	2731.7	2731.7	2723.7	2728.5
20°	2913.2	2879.4	2808.8	2717.2	2606.4	2531.0	2555.0	2547.0	2556.7
22.5°	2614.5	2588.8	2527.7	2452.3	2359.1	2299.7	2352.7	2351.1	2363.9
25°	2272.4	2253.1	2211.4	2147.1	2065.2	2028.3	2116.6	2116.6	2150.4
27.5°	1895.0	1875.7	1846.8	1792.2	1724.8	1713.5	1843.6	1859.7	1896.6
30°	1509.6	1496.7	1480.7	1430.9	1374.7	1395.6	1575.4	1602.7	1644.5
32.5°	1165.9	1157.9	1153.1	1108.1	1058.3	1127.4	1332.9	1368.3	1410.0
35°	880.1	862.4	875.2	841.5	796.5	883.3	1109.7	1140.2	1173.9
37.5°	648.8	636.0	647.2	623.1	583.0	677.7	891.3	910.6	933.1
40°	465.7	454.5	464.1	449.7	417.5	505.9	698.6	719.5	729.1
42.5°	330.8	311.6	321.2	309.9	293.9	380.6	549.2	568.5	571.7
45°	208.8	202.3	208.8	202.3	199.1	282.6	433.6	451.3	459.3
47.5°	126.9	118.8	118.8	115.6	118.8	208.8	358.1	383.8	396.7
50°	72.3	69.1	67.4	65.8	72.3	163.8	309.9	338.9	354.9
52.5°	48.2	46.6	46.6	45.0	53.0	138.1	279.4	305.1	321.2
55°	35.3	33.7	33.7	33.7	41.8	118.8	257.0	277.8	292.3
57.5°	27.3	27.3	27.3	25.7	35.3	101.2	229.6	240.9	252.1
60°	22.5	20.9	20.9	20.9	28.9	86.7	197.5	202.3	208.8
62.5°	17.7	17.7	17.7	17.7	24.1	77.1	170.2	170.2	173.4
65°	16.1	14.5	14.5	14.5	20.9	67.4	142.9	141.3	144.5
67.5°	12.8	12.8	12.8	12.8	17.7	57.8	117.2	115.6	118.8
70°	11.2	11.2	11.2	11.2	14.5	48.2	94.8	93.1	96.4
72.5°	9.6	9.6	9.6	9.6	12.8	40.1	75.5	75.5	77.1
75°	8.0	8.0	8.0	8.0	11.2	30.5	61.0	61.0	62.6
77.5°	6.4	6.4	6.4	6.4	8.0	24.1	46.6	45.0	45.0
80°	3.2	4.8	4.8	4.8	6.4	17.7	33.7	30.5	30.5
82.5°	1.6	3.2	3.2	3.2	6.4	12.8	22.5	20.9	20.9
85°	1.6	1.6	1.6	4.8	6.4	9.6	14.5	14.5	14.5
87.5°	0.0	1.6	3.2	6.4	8.0	8.0	9.6	8.0	8.0
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)