

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: P799844

Luminaire Tested: **LD6C55D010 EU6559030 6LBMDDWGPB**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799844
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: LD6C55D010 EU6559030 6LBMDDWGPH
Description: 6 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH GPH FINISH
Light Source: -
Ballast/Driver: -

Summary

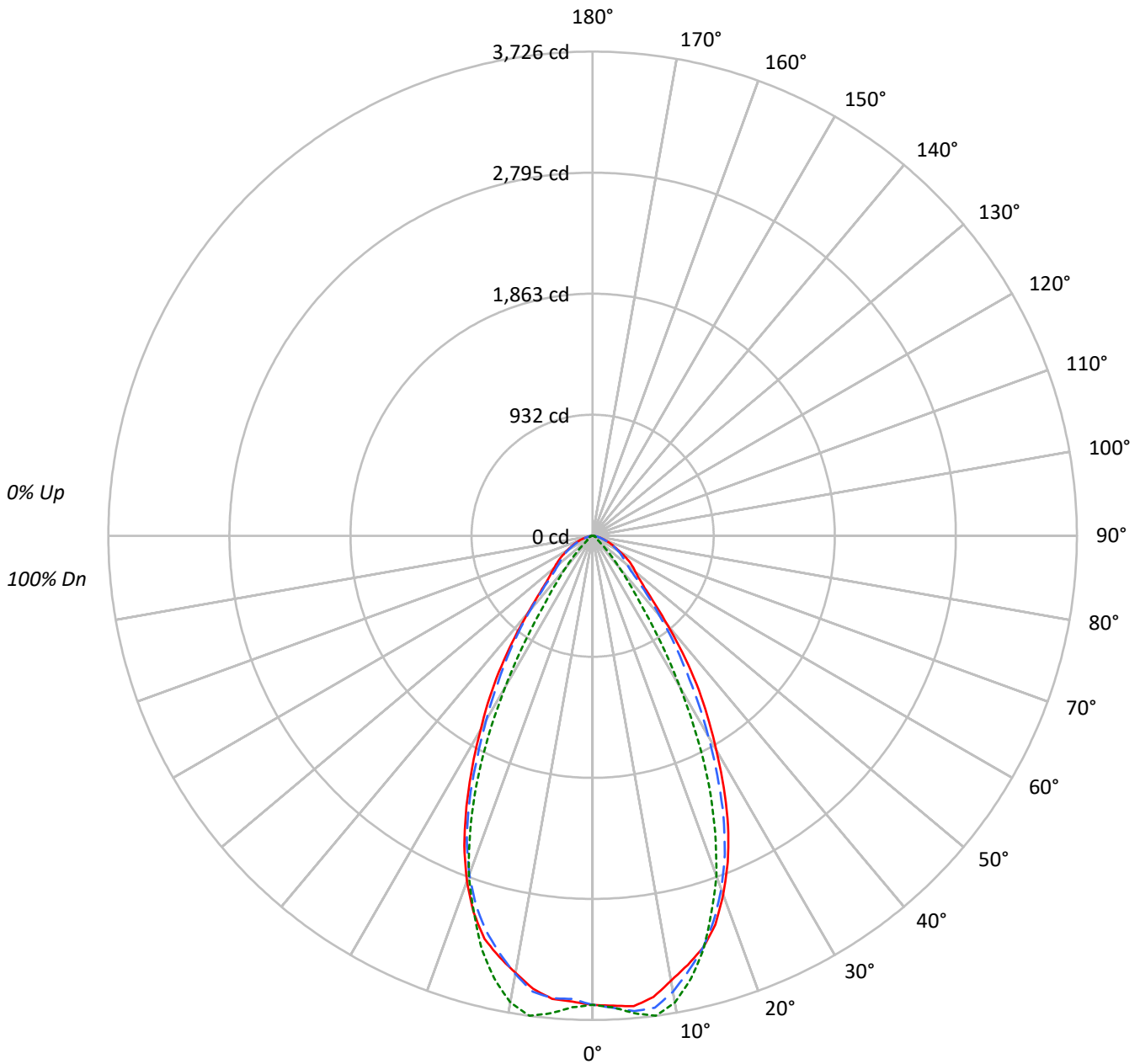
Lumens per Lamp: N/A
Luminaire Lumens: 3675.0 lumens
Efficiency: N/A
Efficacy: 57.5 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 63.9
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°	197890	197890	197890
5°	199961	202993	196830
10°	193483	202986	190110
15°	186221	186948	182260
20°	171387	162391	164958
25°	149156	128058	138939
30°	120297	85076	109137
35°	93264	43868	81961
40°	63991	22728	55189
45°	43842	11389	38717
50°	36485	4853	33201
55°	32821	4215	29657
60°	25974	4024	24757
65°	21442	3567	21196
70°	17359	3238	17359
75°	12836	3495	13619
80°	7545	2904	8113
85°	5787	3459	5787



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	343.6	9.4
10°-20°	901.9	24.5
20°-30°	1029.5	28.0
30°-40°	682.7	18.6
40°-50°	329.3	9.0
50°-60°	202.6	5.5
60°-70°	122.6	3.3
70°-80°	51.6	1.4
80°-90°	11.4	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°	2275.0	61.9
0°-40°	2957.7	80.5
0°-60°	3489.5	95.0
0°-90°	3675.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3675.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	3610	3610	3610	3610	3610	
5°	3634	3672	3689	3571	3577	341
15°	3281	3281	3294	3154	3211	914
25°	2466	2383	2117	2240	2297	1118
35°	1394	1228	656	1146	1225	862
45°	566	496	147	463	499	461
55°	343	279	44	279	310	302
65°	165	158	28	149	163	166
75°	61	61	16	57	64	65
85°	9	13	6	9	9	12
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°	3609.8	3609.8	3609.8	3609.8	3609.8	3609.8	3609.8	3609.8	3609.8
2.5°	3619.0	3624.5	3635.5	3637.4	3631.9	3597.0	3567.6	3578.6	3587.8
5°	3633.7	3644.7	3672.2	3698.0	3688.8	3630.0	3571.3	3569.4	3576.8
7.5°	3580.4	3606.1	3663.1	3727.3	3725.5	3624.5	3538.2	3516.2	3516.2
10°	3475.8	3499.7	3562.1	3648.4	3646.5	3519.8	3424.4	3413.4	3415.2
12.5°	3382.1	3393.2	3424.4	3492.3	3492.3	3367.5	3294.0	3305.0	3319.7
15°	3281.2	3288.5	3281.2	3303.2	3294.0	3191.2	3154.5	3189.3	3211.4
17.5°	3137.9	3141.6	3103.0	3073.7	3038.8	2974.5	2983.7	3035.1	3040.6
20°	2937.8	2961.7	2891.9	2816.6	2783.6	2723.0	2774.4	2831.3	2827.6
22.5°	2717.5	2745.0	2655.0	2530.2	2462.2	2438.4	2530.2	2581.6	2579.8
25°	2465.9	2486.1	2383.3	2208.9	2117.1	2113.4	2240.1	2293.3	2297.0
27.5°	2183.2	2190.5	2074.8	1847.1	1733.3	1760.8	1920.6	1994.0	2003.2
30°	1900.4	1896.7	1777.4	1494.6	1344.0	1419.3	1634.2	1714.9	1724.1
32.5°	1641.5	1630.5	1494.6	1156.8	976.8	1088.8	1371.6	1456.0	1470.7
35°	1393.6	1375.3	1228.4	855.6	655.5	822.6	1145.7	1219.2	1224.7
37.5°	1134.7	1125.5	1009.9	640.8	457.2	624.3	934.6	987.8	982.3
40°	894.2	894.2	798.7	475.6	317.6	464.5	740.0	787.7	771.2
42.5°	701.4	710.6	629.8	350.7	225.8	345.2	585.7	629.8	611.4
45°	565.5	565.5	495.8	260.7	146.9	257.1	462.7	503.1	499.4
47.5°	479.2	471.9	402.1	191.0	80.8	192.8	389.3	438.8	437.0
50°	427.8	416.8	345.2	150.6	56.9	159.7	341.5	387.4	389.3
52.5°	387.4	370.9	310.3	134.0	49.6	139.5	310.3	347.0	347.0
55°	343.4	334.2	279.1	119.3	44.1	124.9	279.1	312.1	310.3
57.5°	290.1	288.3	249.7	108.3	40.4	110.2	249.7	269.9	262.6
60°	236.9	244.2	216.7	97.3	36.7	99.2	213.0	229.5	225.8
62.5°	198.3	207.5	189.1	86.3	31.2	88.1	179.9	196.5	192.8
65°	165.3	172.6	157.9	73.4	27.5	73.4	148.7	163.4	163.4
67.5°	135.9	141.4	130.4	60.6	23.9	60.6	121.2	134.0	135.9
70°	108.3	112.0	102.8	47.7	20.2	49.6	95.5	108.3	108.3
72.5°	84.5	86.3	80.8	38.6	18.4	38.6	73.4	84.5	84.5
75°	60.6	64.3	60.6	29.4	16.5	29.4	56.9	62.4	64.3
77.5°	34.9	44.1	44.1	23.9	12.9	22.0	40.4	42.2	42.2
80°	23.9	27.5	31.2	16.5	9.2	16.5	25.7	27.5	25.7
82.5°	16.5	18.4	18.4	11.0	7.3	11.0	16.5	18.4	16.5
85°	9.2	12.9	12.9	9.2	5.5	7.3	9.2	11.0	9.2
87.5°	5.5	7.3	9.2	7.3	5.5	5.5	5.5	5.5	3.7
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)