

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: P799951

Luminaire Tested: **LD6C60D010 EU6609050 6LBMDSWWMH**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799951
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: LD6C60D010 EU6609050 6LBMDSWWMH
Description: 6 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH WMH FINISH
Light Source: -
Ballast/Driver: -

Summary

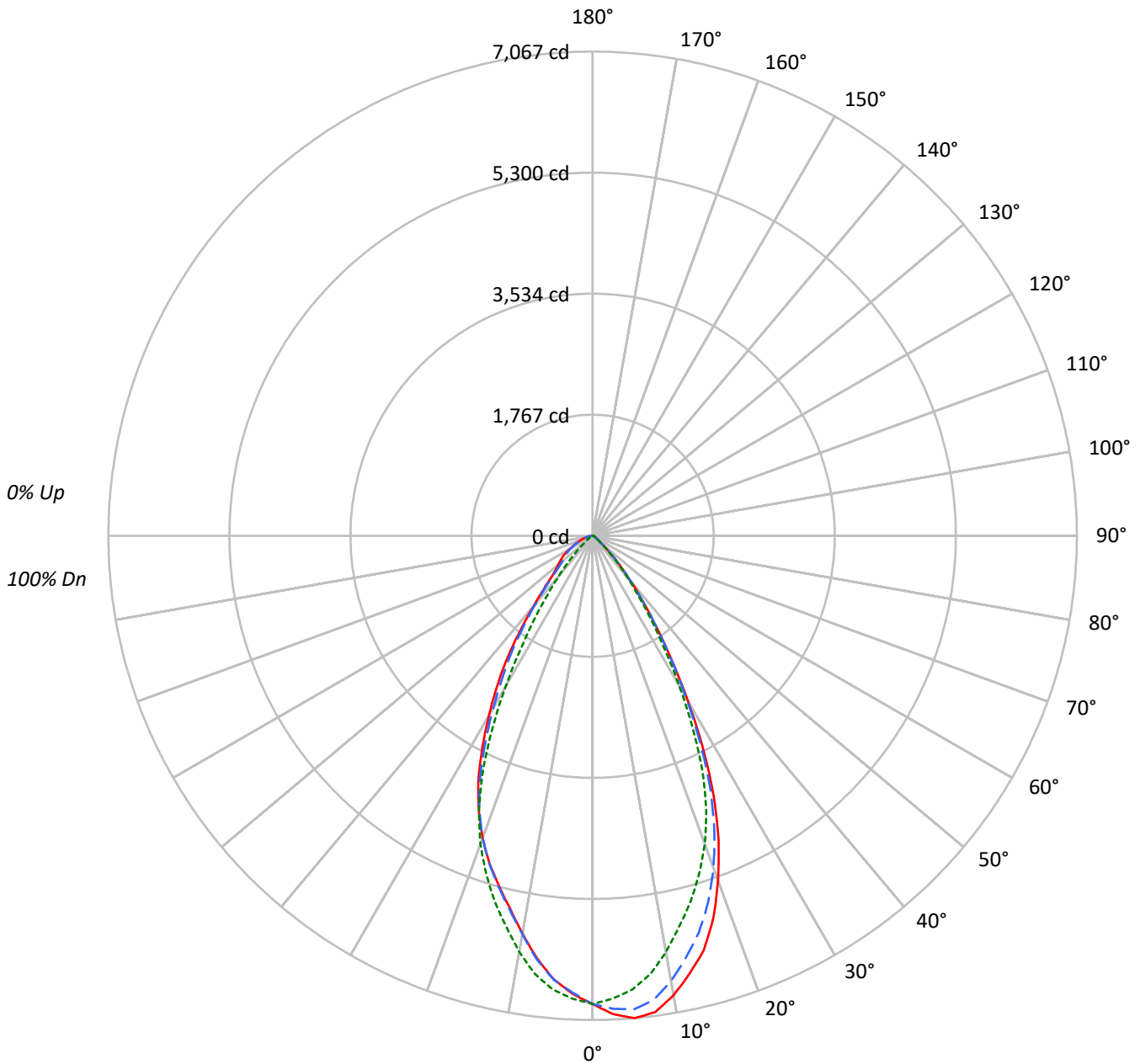
Lumens per Lamp: N/A
Luminaire Lumens: 5884.0 lumens
Efficiency: N/A
Efficacy: 81.7 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	374652	374652	374652
5°	388899	365859	357588
10°	378956	343174	328078
15°	355405	313572	300019
20°	312005	279155	273823
25°	252347	229338	238792
30°	175432	159759	191112
35°	108128	97868	144233
40°	61186	54860	95787
45°	29716	28344	65371
50°	11317	11317	55572
55°	6203	7331	51286
60°	4528	5822	42025
65°	3827	4968	34414
70°	3302	4248	28354
75°	3114	4363	24358
80°	1863	3725	17679
85°	1824	7422	16668



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	625.7	10.6
10°-20°	1572.5	26.7
20°-30°	1770.2	30.1
30°-40°	1096.1	18.6
40°-50°	436.5	7.4
50°-60°	198.7	3.4
60°-70°	114.2	1.9
70°-80°	54.2	0.9
80°-90°	15.8	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°	3968.3	67.4
0°-40°	5064.5	86.1
0°-60°	5699.7	96.9
0°-90°	5884.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5884.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	6834	6834	6834	6834	6834	
5°	7067	6937	6648	6504	6498	666
15°	6262	5991	5525	5301	5286	1733
25°	4172	4060	3792	3886	3948	1875
35°	1616	1607	1462	2037	2155	1038
45°	383	383	366	796	843	325
55°	65	62	77	472	537	64
65°	30	26	38	262	265	29
75°	15	15	21	112	115	15
85°	3	3	12	26	26	2
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°	6834.2	6834.2	6834.2	6834.2	6834.2	6834.2	6834.2	6834.2	6834.2
2.5°	6990.5	6925.6	6910.8	6854.8	6760.5	6707.4	6675.0	6651.4	6692.7
5°	7067.1	6996.3	6937.4	6822.4	6648.4	6551.2	6504.0	6465.7	6498.1
7.5°	7011.1	6910.8	6831.2	6672.0	6450.9	6300.5	6235.7	6191.5	6220.9
10°	6807.7	6686.8	6595.4	6406.7	6164.9	5985.1	5905.5	5864.2	5893.7
12.5°	6542.3	6442.1	6303.5	6097.1	5837.7	5649.0	5590.0	5557.6	5569.4
15°	6262.2	6144.3	5991.0	5784.6	5525.1	5336.4	5301.1	5280.4	5286.3
17.5°	5855.4	5740.4	5607.7	5407.2	5168.4	5015.1	5015.1	5000.3	5009.2
20°	5348.2	5286.3	5156.6	4988.5	4785.1	4646.5	4690.8	4676.0	4693.7
22.5°	4799.9	4752.7	4640.6	4502.1	4331.1	4222.0	4319.3	4316.3	4339.9
25°	4171.9	4136.5	4059.8	3941.9	3791.5	3723.7	3885.9	3885.9	3947.8
27.5°	3479.0	3443.6	3390.6	3290.3	3166.5	3145.9	3384.7	3414.1	3482.0
30°	2771.4	2747.8	2718.3	2626.9	2523.8	2562.1	2892.3	2942.4	3019.1
32.5°	2140.5	2125.7	2116.9	2034.3	1942.9	2069.7	2447.1	2512.0	2588.6
35°	1615.7	1583.2	1606.8	1544.9	1462.4	1621.6	2037.3	2093.3	2155.2
37.5°	1191.1	1167.5	1188.2	1143.9	1070.2	1244.2	1636.3	1671.7	1713.0
40°	855.0	834.4	852.1	825.5	766.6	928.7	1282.5	1320.8	1338.5
42.5°	607.4	572.0	589.7	569.0	539.5	698.8	1008.3	1043.7	1049.6
45°	383.3	371.5	383.3	371.5	365.6	518.9	796.0	828.5	843.2
47.5°	232.9	218.2	218.2	212.3	218.2	383.3	657.5	704.6	728.2
50°	132.7	126.8	123.8	120.9	132.7	300.7	569.0	622.1	651.6
52.5°	88.4	85.5	85.5	82.6	97.3	253.6	513.0	560.2	589.7
55°	64.9	61.9	61.9	61.9	76.7	218.2	471.7	510.1	536.6
57.5°	50.1	50.1	50.1	47.2	64.9	185.7	421.6	442.2	462.9
60°	41.3	38.3	38.3	38.3	53.1	159.2	362.6	371.5	383.3
62.5°	32.4	32.4	32.4	32.4	44.2	141.5	312.5	312.5	318.4
65°	29.5	26.5	26.5	26.5	38.3	123.8	262.4	259.5	265.3
67.5°	23.6	23.6	23.6	23.6	32.4	106.1	215.2	212.3	218.2
70°	20.6	20.6	20.6	20.6	26.5	88.4	174.0	171.0	176.9
72.5°	17.7	17.7	17.7	17.7	23.6	73.7	138.6	138.6	141.5
75°	14.7	14.7	14.7	14.7	20.6	56.0	112.0	112.0	115.0
77.5°	11.8	11.8	11.8	11.8	14.7	44.2	85.5	82.6	82.6
80°	5.9	8.8	8.8	8.8	11.8	32.4	61.9	56.0	56.0
82.5°	2.9	5.9	5.9	5.9	11.8	23.6	41.3	38.3	38.3
85°	2.9	2.9	2.9	8.8	11.8	17.7	26.5	26.5	26.5
87.5°	0.0	2.9	5.9	11.8	14.7	14.7	17.7	14.7	14.7
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)