

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: P799915

Luminaire Tested: **LD6C60D010 EU6609030 6LBMDSWWMH**

Issue Date: 4/12/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P799915  
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 EU6609030 6LBMDSWWMH  
Description: 6 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS  
AND 6LBMDSW TRIM WITH WMH FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

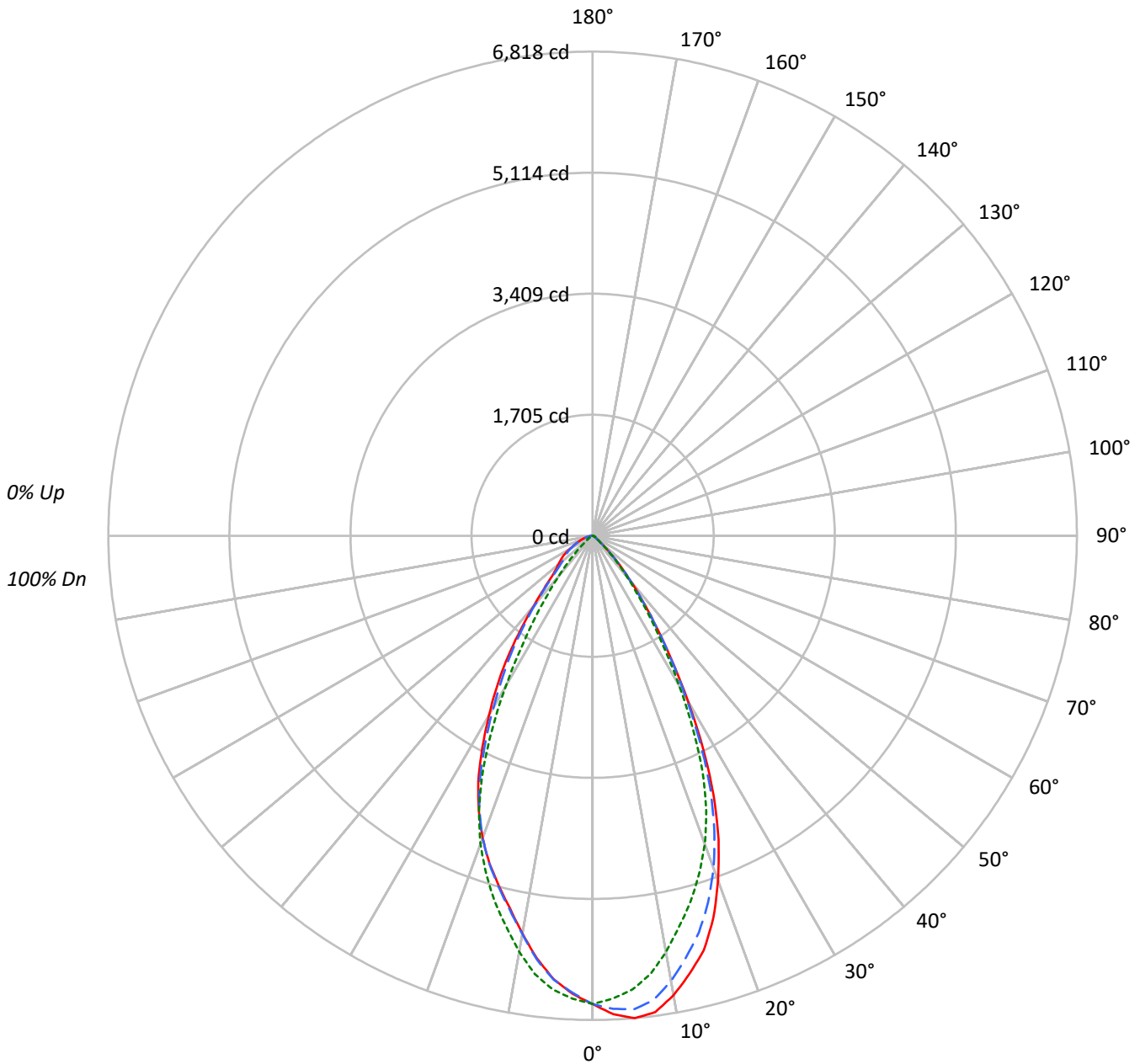
Lumens per Lamp: N/A  
Luminaire Lumens: 5677.0 lumens  
Efficiency: N/A  
Efficacy: 78.8 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 72  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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°	361473	361473	361473
5°	375219	352993	345008
10°	365624	331101	316533
15°	342902	302544	289468
20°	301032	269337	264191
25°	243468	221269	230390
30°	169260	154138	184389
35°	104320	94422	139160
40°	59032	52928	92416
45°	28670	27344	63076
50°	10916	10916	53619
55°	5983	7073	49480
60°	4364	5614	40545
65°	3684	4799	33207
70°	3190	4103	27360
75°	3008	4215	23490
80°	1799	3599	17048
85°	1761	7170	16102



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	603.6	10.6
10°-20°	1517.2	26.7
20°-30°	1707.9	30.1
30°-40°	1057.6	18.6
40°-50°	421.2	7.4
50°-60°	191.7	3.4
60°-70°	110.2	1.9
70°-80°	52.3	0.9
80°-90°	15.3	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°	3828.7	67.4
0°-40°	4886.3	86.1
0°-60°	5499.2	96.9
0°-90°	5677.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5677.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	6594	6594	6594	6594	6594	
5°	6818	6693	6415	6275	6270	642
15°	6042	5780	5331	5115	5100	1672
25°	4025	3917	3658	3749	3809	1809
35°	1559	1550	1411	1966	2079	1002
45°	370	370	353	768	814	313
55°	63	60	74	455	518	62
65°	28	26	37	253	256	28
75°	14	14	20	108	111	15
85°	3	3	11	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°	6593.8	6593.8	6593.8	6593.8	6593.8	6593.8	6593.8	6593.8	6593.8
2.5°	6744.5	6681.9	6667.7	6613.7	6522.6	6471.4	6440.2	6417.4	6457.2
5°	6818.5	6750.2	6693.3	6582.4	6414.6	6320.7	6275.2	6238.2	6269.5
7.5°	6764.4	6667.7	6590.9	6437.3	6224.0	6078.9	6016.3	5973.6	6002.1
10°	6568.2	6451.5	6363.4	6181.3	5948.0	5774.5	5697.7	5657.9	5686.3
12.5°	6312.1	6215.4	6081.7	5882.6	5632.3	5450.2	5393.3	5362.1	5373.4
15°	6041.9	5928.1	5780.2	5581.1	5330.8	5148.7	5114.6	5094.7	5100.4
17.5°	5649.4	5538.4	5410.4	5217.0	4986.6	4838.7	4838.7	4824.4	4833.0
20°	5160.1	5100.4	4975.2	4813.0	4616.8	4483.1	4525.7	4511.5	4528.6
22.5°	4631.0	4585.5	4477.4	4343.7	4178.7	4073.5	4167.3	4164.5	4187.2
25°	4025.1	3991.0	3917.0	3803.2	3658.1	3592.7	3749.2	3749.2	3808.9
27.5°	3356.6	3322.5	3271.3	3174.6	3055.1	3035.2	3265.6	3294.0	3359.5
30°	2673.9	2651.2	2622.7	2534.5	2435.0	2472.0	2790.5	2838.9	2912.9
32.5°	2065.2	2051.0	2042.4	1962.8	1874.6	1996.9	2361.0	2423.6	2497.6
35°	1558.8	1527.5	1550.3	1490.6	1410.9	1564.5	1965.6	2019.7	2079.4
37.5°	1149.2	1126.5	1146.4	1103.7	1032.6	1200.4	1578.7	1612.9	1652.7
40°	824.9	805.0	822.1	796.5	739.6	896.0	1237.4	1274.4	1291.4
42.5°	586.0	551.9	568.9	549.0	520.6	674.2	972.9	1007.0	1012.7
45°	369.8	358.4	369.8	358.4	352.7	500.6	768.0	799.3	813.6
47.5°	224.7	210.5	210.5	204.8	210.5	369.8	634.3	679.9	702.6
50°	128.0	122.3	119.5	116.6	128.0	290.1	549.0	600.2	628.7
52.5°	85.3	82.5	82.5	79.6	93.9	244.6	495.0	540.5	568.9
55°	62.6	59.7	59.7	59.7	74.0	210.5	455.1	492.1	517.7
57.5°	48.4	48.4	48.4	45.5	62.6	179.2	406.8	426.7	446.6
60°	39.8	37.0	37.0	37.0	51.2	153.6	349.9	358.4	369.8
62.5°	31.3	31.3	31.3	31.3	42.7	136.5	301.5	301.5	307.2
65°	28.4	25.6	25.6	25.6	37.0	119.5	253.2	250.3	256.0
67.5°	22.8	22.8	22.8	22.8	31.3	102.4	207.7	204.8	210.5
70°	19.9	19.9	19.9	19.9	25.6	85.3	167.8	165.0	170.7
72.5°	17.1	17.1	17.1	17.1	22.8	71.1	133.7	133.7	136.5
75°	14.2	14.2	14.2	14.2	19.9	54.0	108.1	108.1	110.9
77.5°	11.4	11.4	11.4	11.4	14.2	42.7	82.5	79.6	79.6
80°	5.7	8.5	8.5	8.5	11.4	31.3	59.7	54.0	54.0
82.5°	2.8	5.7	5.7	5.7	11.4	22.8	39.8	37.0	37.0
85°	2.8	2.8	2.8	8.5	11.4	17.1	25.6	25.6	25.6
87.5°	0.0	2.8	5.7	11.4	14.2	14.2	17.1	14.2	14.2
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)