

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: P799946

Luminaire Tested: **LD6C60D010 EU6609050 6LBMDSWGPH**

Issue Date: 4/12/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P799946  
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 6LBMDSWGPH  
Description: 6 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS  
AND 6LBMDSW TRIM WITH GPH FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

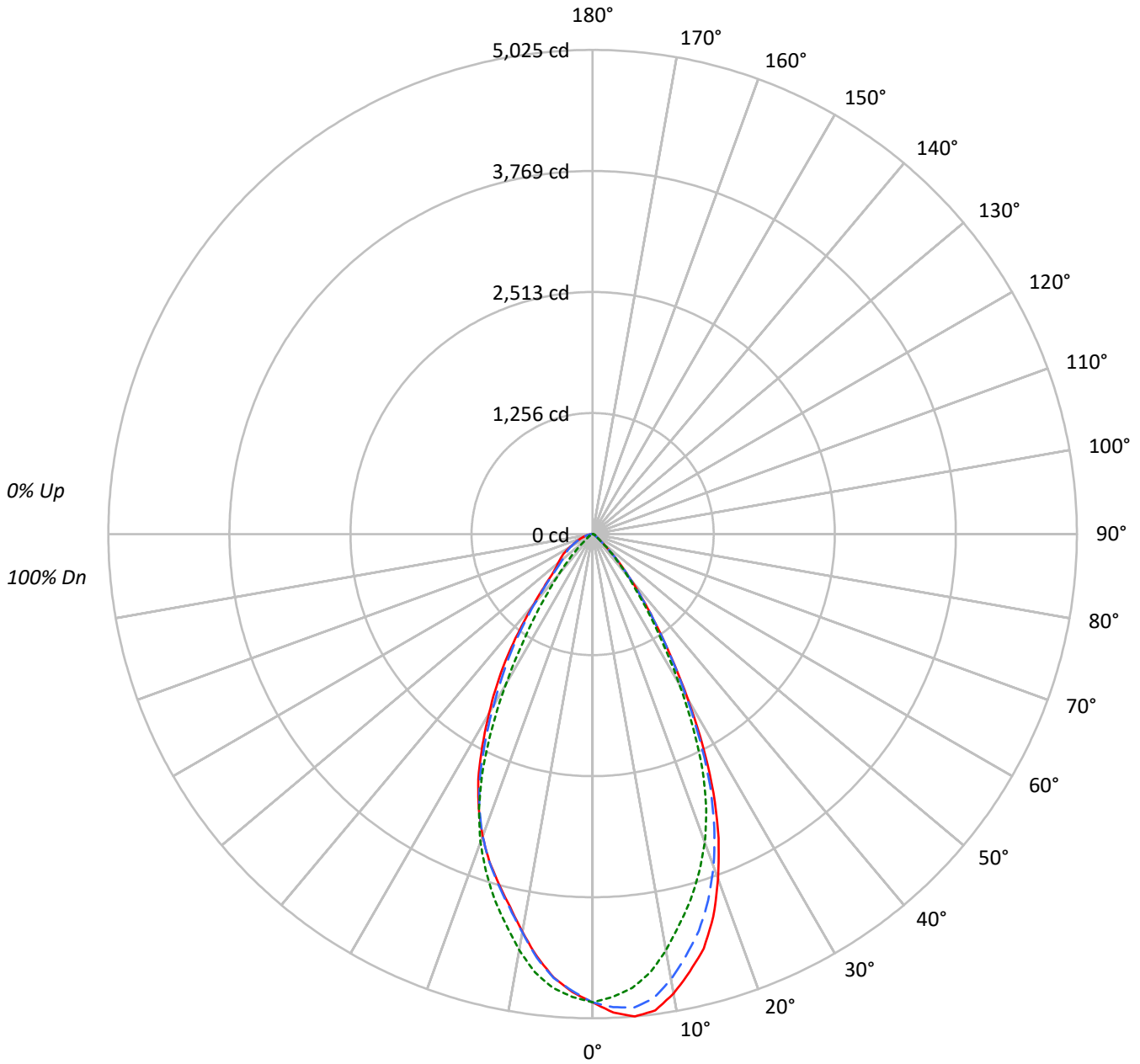
Lumens per Lamp: N/A  
Luminaire Lumens: 4184.0 lumens  
Efficiency: N/A  
Efficacy: 58.1 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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°	266410	266410	266410
5°	276540	260158	254275
10°	269467	244028	233290
15°	252720	222975	213338
20°	221861	198502	194710
25°	179436	163080	169800
30°	124747	113600	135894
35°	76888	69593	102560
40°	43510	39009	68113
45°	21126	20157	46485
50°	8042	8042	39513
55°	4406	5209	36472
60°	3223	4133	29877
65°	2724	3541	24477
70°	2356	3029	20164
75°	2224	3114	17326
80°	1326	2652	12565
85°	1321	5284	11888



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	444.9	10.6
10°-20°	1118.2	26.7
20°-30°	1258.8	30.1
30°-40°	779.4	18.6
40°-50°	310.4	7.4
50°-60°	141.3	3.4
60°-70°	81.2	1.9
70°-80°	38.6	0.9
80°-90°	11.3	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°	2821.8	67.4
0°-40°	3601.2	86.1
0°-60°	4052.9	96.9
0°-90°	4184.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4184.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	4860	4860	4860	4860	4860	
5°	5025	4933	4728	4625	4621	473
15°	4453	4260	3929	3770	3759	1232
25°	2966	2887	2696	2763	2807	1333
35°	1149	1143	1040	1449	1532	738
45°	272	272	260	566	600	231
55°	46	44	54	335	382	46
65°	21	19	27	187	189	20
75°	10	10	15	80	82	11
85°	2	2	8	19	19	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°	4859.7	4859.7	4859.7	4859.7	4859.7	4859.7	4859.7	4859.7	4859.7
2.5°	4970.8	4924.7	4914.2	4874.3	4807.3	4769.5	4746.5	4729.7	4759.0
5°	5025.3	4975.0	4933.0	4851.3	4727.6	4658.4	4624.9	4597.6	4620.7
7.5°	4985.5	4914.2	4857.6	4744.4	4587.1	4480.2	4434.1	4402.6	4423.6
10°	4840.8	4754.8	4689.8	4555.7	4383.8	4255.9	4199.3	4169.9	4190.9
12.5°	4652.1	4580.8	4482.3	4335.5	4151.0	4016.9	3974.9	3951.9	3960.3
15°	4452.9	4369.1	4260.1	4113.3	3928.8	3794.6	3769.5	3754.8	3759.0
17.5°	4163.6	4081.9	3987.5	3845.0	3675.1	3566.1	3566.1	3555.6	3561.9
20°	3803.0	3759.0	3666.8	3547.3	3402.6	3304.1	3335.5	3325.0	3337.6
22.5°	3413.1	3379.5	3299.9	3201.3	3079.7	3002.2	3071.4	3069.3	3086.0
25°	2966.5	2941.4	2886.9	2803.0	2696.1	2647.9	2763.2	2763.2	2807.2
27.5°	2473.9	2448.7	2411.0	2339.7	2251.6	2237.0	2406.8	2427.7	2476.0
30°	1970.7	1953.9	1933.0	1868.0	1794.6	1821.8	2056.7	2092.3	2146.8
32.5°	1522.1	1511.6	1505.3	1446.6	1381.6	1471.7	1740.1	1786.2	1840.7
35°	1148.9	1125.8	1142.6	1098.6	1039.9	1153.1	1448.7	1488.5	1532.5
37.5°	847.0	830.2	844.9	813.4	761.0	884.7	1163.6	1188.7	1218.1
40°	608.0	593.3	605.9	587.0	545.1	660.4	912.0	939.2	951.8
42.5°	431.9	406.7	419.3	404.6	383.7	496.9	717.0	742.2	746.4
45°	272.5	264.2	272.5	264.2	260.0	369.0	566.1	589.1	599.6
47.5°	165.6	155.1	155.1	150.9	155.1	272.5	467.5	501.1	517.8
50°	94.3	90.1	88.1	86.0	94.3	213.8	404.6	442.4	463.3
52.5°	62.9	60.8	60.8	58.7	69.2	180.3	364.8	398.3	419.3
55°	46.1	44.0	44.0	44.0	54.5	155.1	335.4	362.7	381.6
57.5°	35.6	35.6	35.6	33.5	46.1	132.1	299.8	314.5	329.1
60°	29.4	27.3	27.3	27.3	37.7	113.2	257.9	264.2	272.5
62.5°	23.1	23.1	23.1	23.1	31.4	100.6	222.2	222.2	226.4
65°	21.0	18.9	18.9	18.9	27.3	88.1	186.6	184.5	188.7
67.5°	16.8	16.8	16.8	16.8	23.1	75.5	153.0	150.9	155.1
70°	14.7	14.7	14.7	14.7	18.9	62.9	123.7	121.6	125.8
72.5°	12.6	12.6	12.6	12.6	16.8	52.4	98.5	98.5	100.6
75°	10.5	10.5	10.5	10.5	14.7	39.8	79.7	79.7	81.8
77.5°	8.4	8.4	8.4	8.4	10.5	31.4	60.8	58.7	58.7
80°	4.2	6.3	6.3	6.3	8.4	23.1	44.0	39.8	39.8
82.5°	2.1	4.2	4.2	4.2	8.4	16.8	29.4	27.3	27.3
85°	2.1	2.1	2.1	6.3	8.4	12.6	18.9	18.9	18.9
87.5°	0.0	2.1	4.2	8.4	10.5	10.5	12.6	10.5	10.5
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)