

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: P799924

Luminaire Tested: **LD6C60D010 EU6609035 6LBMDSWLI**

Issue Date: 4/12/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P799924  
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 EU6609035 6LBMDSWLI  
Description: 6 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS  
AND 6LBMDSW TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

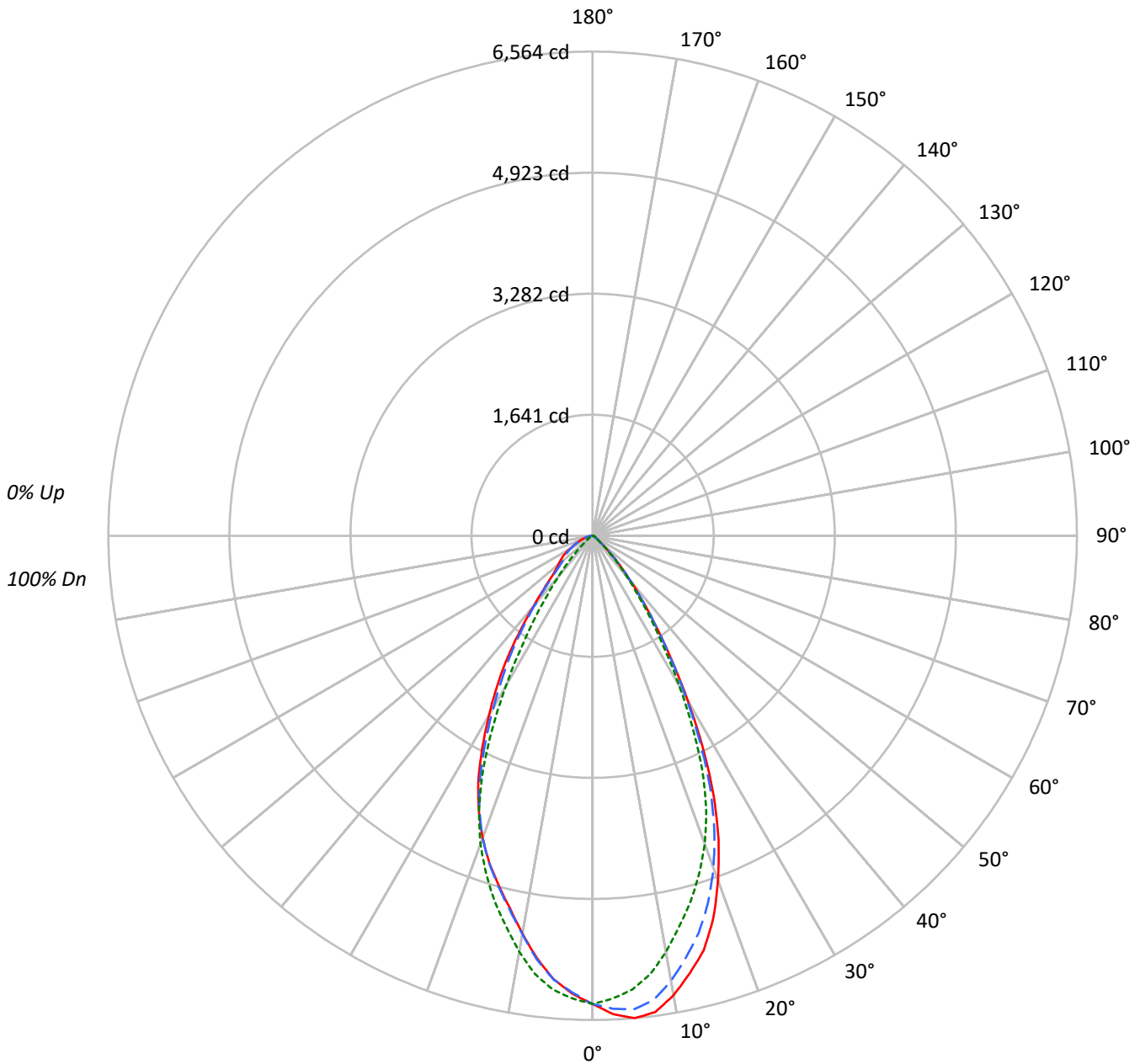
Lumens per Lamp: N/A  
Luminaire Lumens: 5465.0 lumens  
Efficiency: N/A  
Efficacy: 75.9 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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°	347971	347971	347971
5°	361209	339808	332125
10°	351970	318737	304715
15°	330098	291245	278657
20°	289790	259279	254326
25°	234376	213006	221789
30°	162943	148377	177502
35°	100425	90895	133960
40°	56828	50953	88967
45°	27600	26328	60719
50°	10507	10507	51615
55°	5754	6805	47635
60°	4199	5405	39032
65°	3554	4618	31975
70°	3077	3943	26335
75°	2902	4067	22621
80°	1736	3473	16416
85°	1698	6919	15473



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	581.1	10.6
10°-20°	1460.5	26.7
20°-30°	1644.1	30.1
30°-40°	1018.1	18.6
40°-50°	405.4	7.4
50°-60°	184.6	3.4
60°-70°	106.1	1.9
70°-80°	50.4	0.9
80°-90°	14.7	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°	3685.7	67.4
0°-40°	4703.8	86.1
0°-60°	5293.8	96.9
0°-90°	5465.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5465.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	6348	6348	6348	6348	6348	
5°	6564	6443	6175	6041	6035	618
15°	5816	5564	5132	4924	4910	1609
25°	3875	3771	3522	3609	3667	1742
35°	1501	1492	1358	1892	2002	964
45°	356	356	340	739	783	302
55°	60	58	71	438	498	60
65°	27	25	36	244	246	27
75°	14	14	19	104	107	14
85°	3	3	11	25	25	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°	6347.5	6347.5	6347.5	6347.5	6347.5	6347.5	6347.5	6347.5	6347.5
2.5°	6492.7	6432.4	6418.7	6366.7	6279.1	6229.8	6199.7	6177.7	6216.1
5°	6563.9	6498.1	6443.4	6336.6	6175.0	6084.6	6040.8	6005.2	6035.4
7.5°	6511.8	6418.7	6344.8	6196.9	5991.5	5851.9	5791.6	5750.6	5777.9
10°	6322.9	6210.6	6125.7	5950.5	5725.9	5558.9	5484.9	5446.6	5474.0
12.5°	6076.4	5983.3	5854.6	5662.9	5422.0	5246.7	5191.9	5161.8	5172.8
15°	5816.3	5706.8	5564.4	5372.7	5131.7	4956.4	4923.6	4904.4	4909.9
17.5°	5438.4	5331.6	5208.4	5022.2	4800.4	4658.0	4658.0	4644.3	4652.5
20°	4967.4	4909.9	4789.4	4633.3	4444.4	4315.7	4356.7	4343.0	4359.5
22.5°	4458.1	4414.2	4310.2	4181.5	4022.7	3921.3	4011.7	4009.0	4030.9
25°	3874.8	3841.9	3770.7	3661.2	3521.5	3458.6	3609.2	3609.2	3666.7
27.5°	3231.3	3198.4	3149.1	3056.0	2941.0	2921.8	3143.6	3171.0	3234.0
30°	2574.1	2552.2	2524.8	2439.9	2344.0	2379.6	2686.3	2732.9	2804.1
32.5°	1988.1	1974.4	1966.1	1889.5	1804.6	1922.3	2272.8	2333.1	2404.3
35°	1500.6	1470.5	1492.4	1434.9	1358.2	1506.1	1892.2	1944.2	2001.7
37.5°	1106.3	1084.4	1103.6	1062.5	994.0	1155.6	1519.8	1552.7	1591.0
40°	794.1	775.0	791.4	766.7	712.0	862.6	1191.2	1226.8	1243.2
42.5°	564.1	531.2	547.7	528.5	501.1	649.0	936.5	969.4	974.9
45°	356.0	345.0	356.0	345.0	339.6	482.0	739.4	769.5	783.2
47.5°	216.3	202.6	202.6	197.2	202.6	356.0	610.7	654.5	676.4
50°	123.2	117.7	115.0	112.3	123.2	279.3	528.5	577.8	605.2
52.5°	82.2	79.4	79.4	76.7	90.4	235.5	476.5	520.3	547.7
55°	60.2	57.5	57.5	57.5	71.2	202.6	438.1	473.7	498.4
57.5°	46.6	46.6	46.6	43.8	60.2	172.5	391.6	410.8	429.9
60°	38.3	35.6	35.6	35.6	49.3	147.9	336.8	345.0	356.0
62.5°	30.1	30.1	30.1	30.1	41.1	131.4	290.3	290.3	295.7
65°	27.4	24.6	24.6	24.6	35.6	115.0	243.7	241.0	246.5
67.5°	21.9	21.9	21.9	21.9	30.1	98.6	199.9	197.2	202.6
70°	19.2	19.2	19.2	19.2	24.6	82.2	161.6	158.8	164.3
72.5°	16.4	16.4	16.4	16.4	21.9	68.5	128.7	128.7	131.4
75°	13.7	13.7	13.7	13.7	19.2	52.0	104.1	104.1	106.8
77.5°	11.0	11.0	11.0	11.0	13.7	41.1	79.4	76.7	76.7
80°	5.5	8.2	8.2	8.2	11.0	30.1	57.5	52.0	52.0
82.5°	2.7	5.5	5.5	5.5	11.0	21.9	38.3	35.6	35.6
85°	2.7	2.7	2.7	8.2	11.0	16.4	24.6	24.6	24.6
87.5°	0.0	2.7	5.5	11.0	13.7	13.7	16.4	13.7	13.7
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)