

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: P799903

Luminaire Tested: **LD6C60D010 EU6609027 6LBMDSWWMH**

Issue Date: 4/12/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P799903  
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 EU6609027 6LBMDSWWMH  
Description: 6 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS  
AND 6LBMDSW TRIM WITH WMH FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

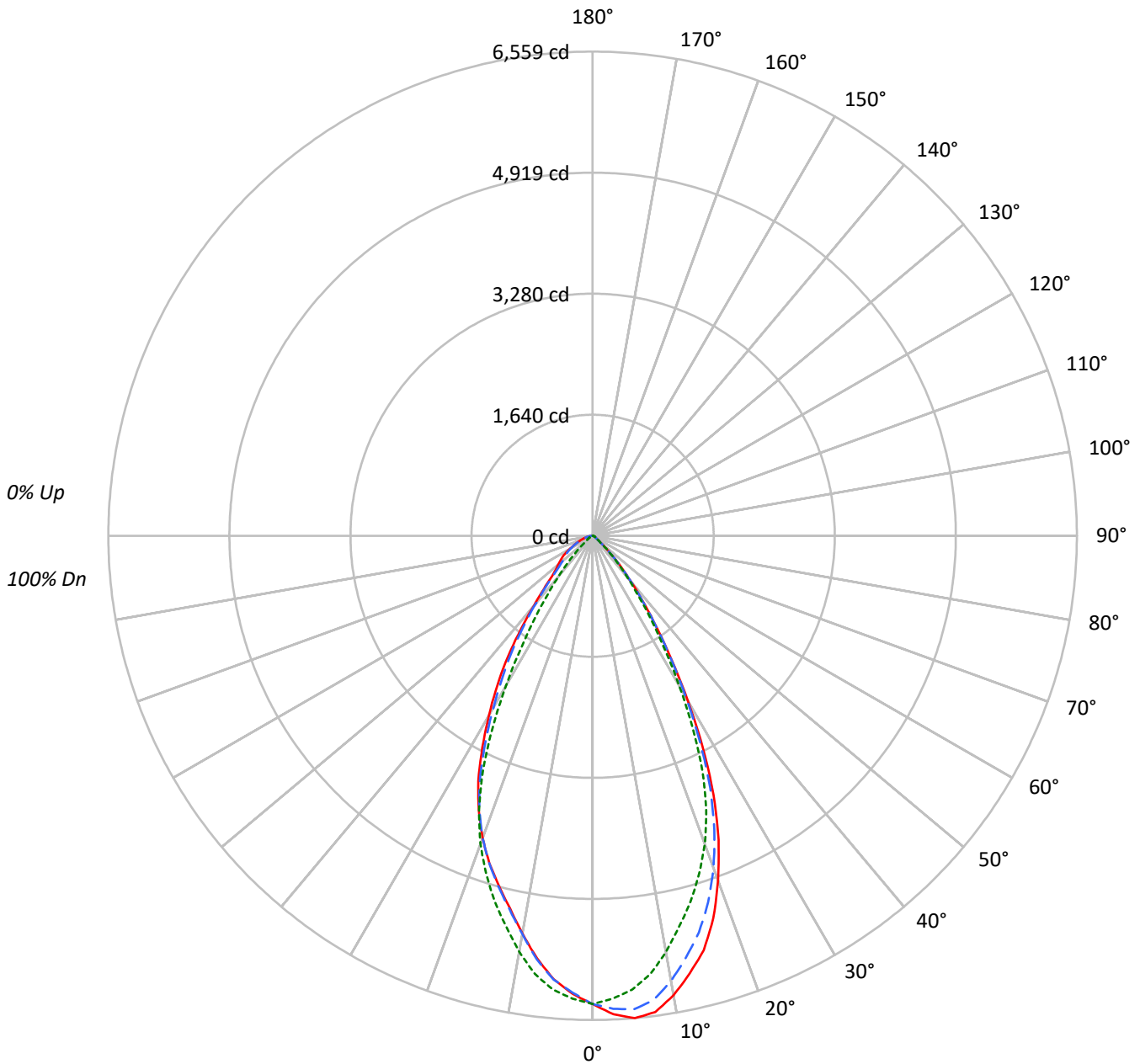
Lumens per Lamp: N/A  
Luminaire Lumens: 5461.0 lumens  
Efficiency: N/A  
Efficacy: 75.8 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°
0°	347719	347719	347719
5°	360944	339560	331878
10°	351714	318503	304492
15°	329854	291029	278452
20°	289580	259087	254140
25°	234201	212855	221626
30°	162823	148270	177369
35°	100351	90828	133866
40°	56785	50917	88902
45°	27577	26305	60673
50°	10499	10499	51572
55°	5754	6795	47597
60°	4199	5405	38999
65°	3554	4618	31949
70°	3077	3943	26319
75°	2902	4067	22600
80°	1736	3441	16416
85°	1698	6856	15473



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	580.7	10.6
10°-20°	1459.4	26.7
20°-30°	1642.9	30.1
30°-40°	1017.3	18.6
40°-50°	405.1	7.4
50°-60°	184.4	3.4
60°-70°	106.0	1.9
70°-80°	50.3	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°	3683.0	67.4
0°-40°	4700.4	86.1
0°-60°	5289.9	96.9
0°-90°	5461.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5461.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	6343	6343	6343	6343	6343	
5°	6559	6439	6170	6036	6031	618
15°	5812	5560	5128	4920	4906	1608
25°	3872	3768	3519	3606	3664	1740
35°	1500	1491	1357	1891	2000	964
45°	356	356	339	739	783	301
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°	6342.9	6342.9	6342.9	6342.9	6342.9	6342.9	6342.9	6342.9	6342.9
2.5°	6487.9	6427.7	6414.0	6362.0	6274.5	6225.2	6195.1	6173.2	6211.5
5°	6559.1	6493.4	6438.7	6331.9	6170.5	6080.2	6036.4	6000.8	6030.9
7.5°	6507.1	6414.0	6340.1	6192.4	5987.2	5847.6	5787.4	5746.4	5773.7
10°	6318.3	6206.1	6121.2	5946.1	5721.7	5554.8	5480.9	5442.6	5470.0
12.5°	6072.0	5978.9	5850.3	5658.8	5418.0	5242.9	5188.1	5158.0	5169.0
15°	5812.0	5702.6	5560.3	5368.7	5127.9	4952.8	4920.0	4900.8	4906.3
17.5°	5434.4	5327.7	5204.6	5018.5	4796.8	4654.5	4654.5	4640.9	4649.1
20°	4963.8	4906.3	4785.9	4629.9	4441.1	4312.5	4353.5	4339.9	4356.3
22.5°	4454.8	4411.0	4307.0	4178.4	4019.7	3918.5	4008.8	4006.0	4027.9
25°	3871.9	3839.1	3768.0	3658.5	3519.0	3456.0	3606.5	3606.5	3664.0
27.5°	3228.9	3196.1	3146.8	3053.8	2938.9	2919.7	3141.3	3168.7	3231.6
30°	2572.2	2550.3	2522.9	2438.1	2342.3	2377.9	2684.4	2730.9	2802.0
32.5°	1986.6	1972.9	1964.7	1888.1	1803.3	1920.9	2271.2	2331.4	2402.5
35°	1499.5	1469.4	1491.3	1433.9	1357.2	1505.0	1890.8	1942.8	2000.3
37.5°	1105.5	1083.6	1102.8	1061.7	993.3	1154.7	1518.7	1551.5	1589.8
40°	793.5	774.4	790.8	766.2	711.5	862.0	1190.3	1225.9	1242.3
42.5°	563.7	530.9	547.3	528.1	500.8	648.5	935.8	968.7	974.1
45°	355.7	344.8	355.7	344.8	339.3	481.6	738.8	768.9	782.6
47.5°	216.2	202.5	202.5	197.0	202.5	355.7	610.2	654.0	675.9
50°	123.1	117.7	114.9	112.2	123.1	279.1	528.1	577.4	604.7
52.5°	82.1	79.4	79.4	76.6	90.3	235.3	476.1	519.9	547.3
55°	60.2	57.5	57.5	57.5	71.1	202.5	437.8	473.4	498.0
57.5°	46.5	46.5	46.5	43.8	60.2	172.4	391.3	410.5	429.6
60°	38.3	35.6	35.6	35.6	49.3	147.8	336.6	344.8	355.7
62.5°	30.1	30.1	30.1	30.1	41.0	131.3	290.1	290.1	295.5
65°	27.4	24.6	24.6	24.6	35.6	114.9	243.5	240.8	246.3
67.5°	21.9	21.9	21.9	21.9	30.1	98.5	199.8	197.0	202.5
70°	19.2	19.2	19.2	19.2	24.6	82.1	161.4	158.7	164.2
72.5°	16.4	16.4	16.4	16.4	21.9	68.4	128.6	128.6	131.3
75°	13.7	13.7	13.7	13.7	19.2	52.0	104.0	104.0	106.7
77.5°	10.9	10.9	10.9	10.9	13.7	41.0	79.4	76.6	76.6
80°	5.5	8.2	8.2	8.2	10.9	30.1	57.5	52.0	52.0
82.5°	2.7	5.5	5.5	5.5	10.9	21.9	38.3	35.6	35.6
85°	2.7	2.7	2.7	8.2	10.9	16.4	24.6	24.6	24.6
87.5°	0.0	2.7	5.5	10.9	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)