

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: P799927

Luminaire Tested: **LD6C60D010 EU6609035 6LBMDSWWMH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799927
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 6LBMDSWWMH
Description: 6 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBMDSW TRIM WITH WMH FINISH
Light Source: -
Ballast/Driver: -

Summary

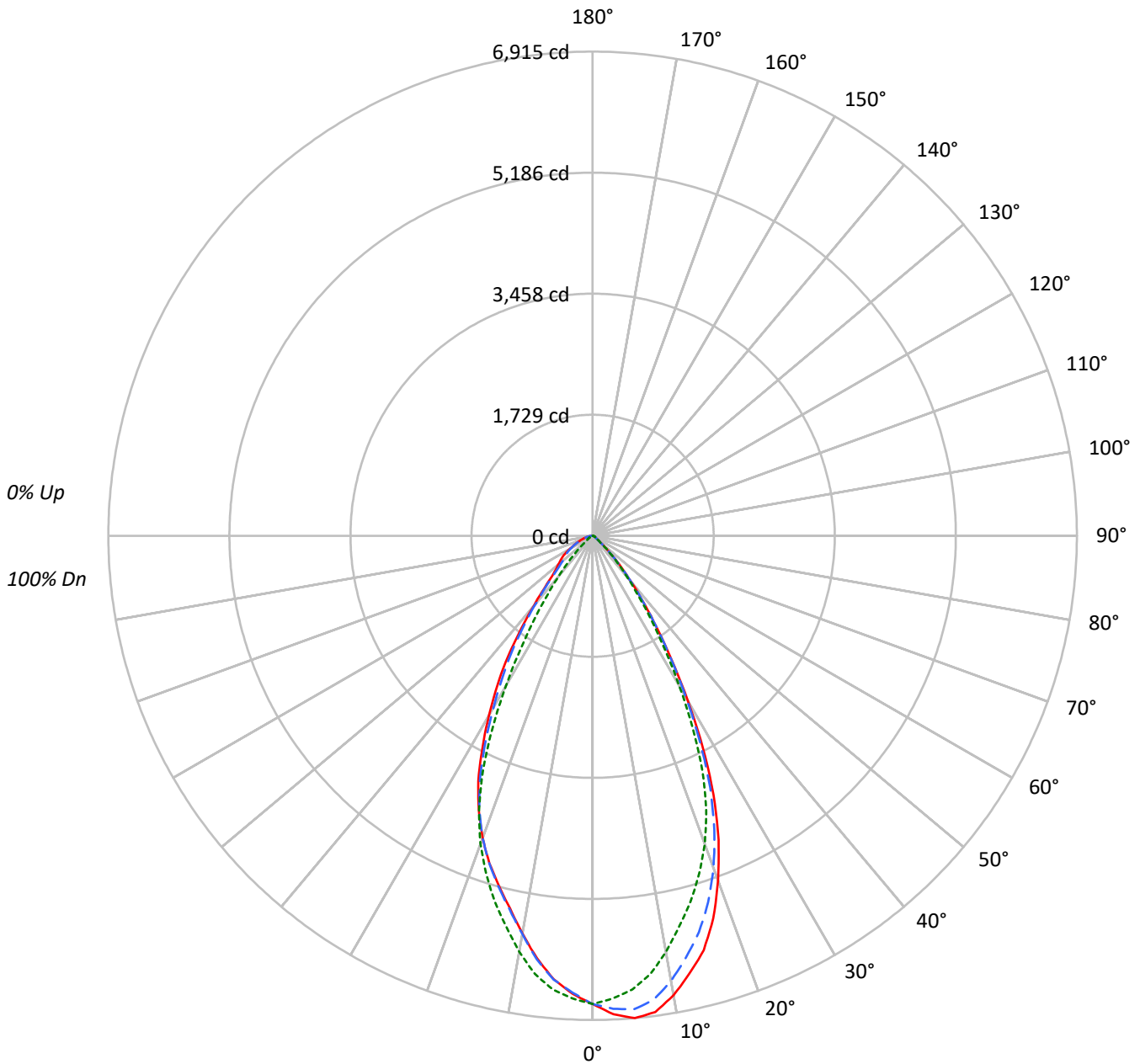
Lumens per Lamp: N/A
Luminaire Lumens: 5757.0 lumens
Efficiency: N/A
Efficacy: 80.0 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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									
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°	366566	366566	366566
5°	380507	357962	349867
10°	370774	335771	320997
15°	347738	306807	293543
20°	305273	273129	267913
25°	246897	224390	233638
30°	171647	156309	186984
35°	105792	95754	141121
40°	59869	53672	93718
45°	29073	27732	63960
50°	11070	11070	54369
55°	6069	7168	50177
60°	4429	5690	41115
65°	3736	4864	33674
70°	3238	4167	27745
75°	3050	4279	23828
80°	1831	3631	17300
85°	1824	7233	16354



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	612.1	10.6
10°-20°	1538.5	26.7
20°-30°	1732.0	30.1
30°-40°	1072.5	18.6
40°-50°	427.1	7.4
50°-60°	194.4	3.4
60°-70°	111.8	1.9
70°-80°	53.1	0.9
80°-90°	15.5	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°	3882.7	67.4
0°-40°	4955.1	86.1
0°-60°	5576.7	96.9
0°-90°	5757.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5757.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	6687	6687	6687	6687	6687	
5°	6915	6788	6505	6364	6358	651
15°	6127	5862	5406	5187	5172	1695
25°	4082	3972	3710	3802	3863	1835
35°	1581	1572	1431	1993	2109	1016
45°	375	375	358	779	825	318
55°	64	61	75	462	525	63
65°	29	26	38	257	260	28
75°	14	14	20	110	112	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°	6686.7	6686.7	6686.7	6686.7	6686.7	6686.7	6686.7	6686.7	6686.7
2.5°	6839.6	6776.1	6761.7	6706.9	6614.6	6562.6	6530.9	6507.8	6548.2
5°	6914.6	6845.3	6787.6	6675.1	6504.9	6409.8	6363.6	6326.1	6357.8
7.5°	6859.8	6761.7	6683.8	6528.0	6311.7	6164.6	6101.1	6057.8	6086.7
10°	6660.7	6542.4	6453.0	6268.4	6031.9	5855.9	5778.0	5737.6	5766.5
12.5°	6401.1	6303.0	6167.4	5965.5	5711.7	5527.0	5469.3	5437.6	5449.2
15°	6127.1	6011.7	5861.7	5659.7	5405.9	5221.3	5186.6	5166.5	5172.2
17.5°	5729.0	5616.5	5486.7	5290.5	5056.8	4906.8	4906.8	4892.4	4901.1
20°	5232.8	5172.2	5045.3	4880.9	4681.8	4546.3	4589.5	4575.1	4592.4
22.5°	4696.3	4650.1	4540.5	4404.9	4237.6	4130.9	4226.1	4223.2	4246.2
25°	4081.8	4047.2	3972.2	3856.8	3709.7	3643.3	3802.0	3802.0	3862.6
27.5°	3403.9	3369.3	3317.4	3219.3	3098.1	3078.0	3311.6	3340.5	3406.8
30°	2711.6	2688.5	2659.7	2570.2	2469.3	2506.8	2829.9	2878.9	2953.9
32.5°	2094.3	2079.9	2071.2	1990.4	1901.0	2025.0	2394.3	2457.7	2532.7
35°	1580.8	1549.1	1572.1	1511.6	1430.8	1586.6	1993.3	2048.1	2108.7
37.5°	1165.4	1142.3	1162.5	1119.3	1047.1	1217.3	1601.0	1635.6	1676.0
40°	836.6	816.4	833.7	807.7	750.0	908.7	1254.8	1292.3	1309.6
42.5°	594.2	559.6	576.9	556.7	527.9	683.7	986.6	1021.2	1026.9
45°	375.0	363.5	375.0	363.5	357.7	507.7	778.9	810.6	825.0
47.5°	227.9	213.5	213.5	207.7	213.5	375.0	643.3	689.4	712.5
50°	129.8	124.0	121.2	118.3	129.8	294.2	556.7	608.7	637.5
52.5°	86.5	83.7	83.7	80.8	95.2	248.1	501.9	548.1	576.9
55°	63.5	60.6	60.6	60.6	75.0	213.5	461.5	499.0	525.0
57.5°	49.0	49.0	49.0	46.2	63.5	181.7	412.5	432.7	452.9
60°	40.4	37.5	37.5	37.5	51.9	155.8	354.8	363.5	375.0
62.5°	31.7	31.7	31.7	31.7	43.3	138.5	305.8	305.8	311.5
65°	28.8	26.0	26.0	26.0	37.5	121.2	256.7	253.9	259.6
67.5°	23.1	23.1	23.1	23.1	31.7	103.8	210.6	207.7	213.5
70°	20.2	20.2	20.2	20.2	26.0	86.5	170.2	167.3	173.1
72.5°	17.3	17.3	17.3	17.3	23.1	72.1	135.6	135.6	138.5
75°	14.4	14.4	14.4	14.4	20.2	54.8	109.6	109.6	112.5
77.5°	11.5	11.5	11.5	11.5	14.4	43.3	83.7	80.8	80.8
80°	5.8	8.7	8.7	8.7	11.5	31.7	60.6	54.8	54.8
82.5°	2.9	5.8	5.8	5.8	11.5	23.1	40.4	37.5	37.5
85°	2.9	2.9	2.9	8.7	11.5	17.3	26.0	26.0	26.0
87.5°	0.0	2.9	5.8	11.5	14.4	14.4	17.3	14.4	14.4
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)