

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: P799913

Luminaire Tested: **LD6C60D010 EU6609030 6LBMDSWMW**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799913
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 6LBMDSWMW
Description: 6 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

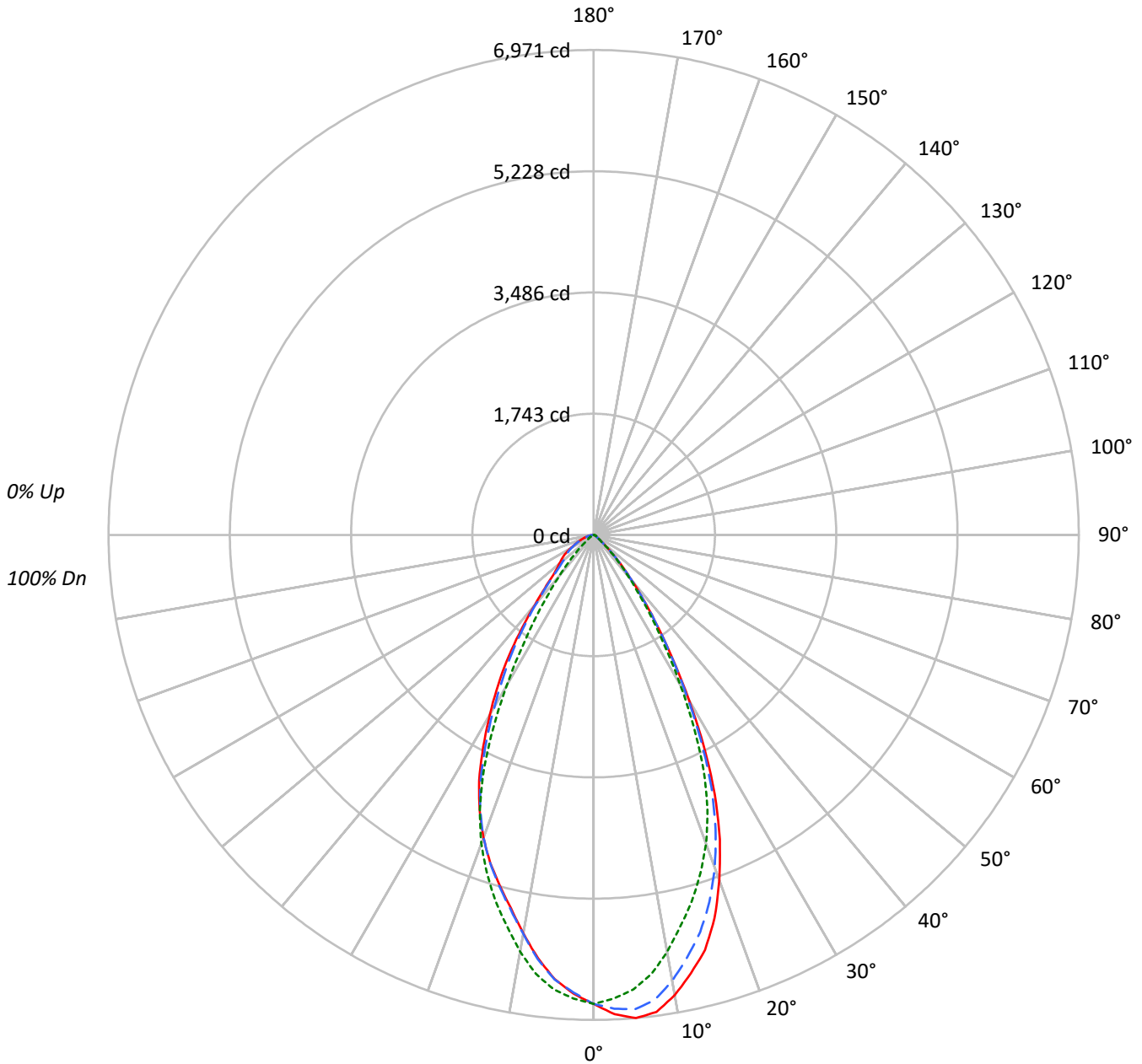
Lumens per Lamp: N/A
Luminaire Lumens: 5804.0 lumens
Efficiency: N/A
Efficacy: 80.6 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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					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	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°	369559	369559	369559
5°	383611	360889	352723
10°	373802	338510	323613
15°	350575	309309	295944
20°	307764	275363	270101
25°	248912	226223	235544
30°	173046	157581	188510
35°	106655	96537	142272
40°	60356	54109	94484
45°	29313	27956	64487
50°	11164	11164	54813
55°	6117	7226	50588
60°	4462	5734	41455
65°	3775	4903	33947
70°	3270	4199	27969
75°	3071	4321	24019
80°	1831	3662	17458
85°	1824	7296	16480



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	617.1	10.6
10°-20°	1551.1	26.7
20°-30°	1746.1	30.1
30°-40°	1081.2	18.6
40°-50°	430.6	7.4
50°-60°	196.0	3.4
60°-70°	112.7	1.9
70°-80°	53.5	0.9
80°-90°	15.6	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°	3914.4	67.4
0°-40°	4995.6	86.1
0°-60°	5622.2	96.9
0°-90°	5804.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5804.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	6741	6741	6741	6741	6741	
5°	6971	6843	6558	6416	6410	657
15°	6177	5910	5450	5229	5214	1709
25°	4115	4005	3740	3833	3894	1850
35°	1594	1585	1442	2010	2126	1024
45°	378	378	361	785	832	320
55°	64	61	76	465	529	64
65°	29	26	38	259	262	28
75°	14	14	20	110	113	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°	6741.3	6741.3	6741.3	6741.3	6741.3	6741.3	6741.3	6741.3	6741.3
2.5°	6895.4	6831.4	6816.9	6761.6	6668.6	6616.2	6584.2	6561.0	6601.7
5°	6971.0	6901.2	6843.1	6729.6	6558.1	6462.1	6415.6	6377.7	6409.7
7.5°	6915.8	6816.9	6738.4	6581.3	6363.2	6214.9	6150.9	6107.3	6136.4
10°	6715.1	6595.9	6505.7	6319.6	6081.1	5903.7	5825.2	5784.5	5813.5
12.5°	6453.4	6354.5	6217.8	6014.2	5758.3	5572.2	5514.0	5482.0	5493.6
15°	6177.1	6060.7	5909.5	5705.9	5450.0	5263.9	5229.0	5208.6	5214.5
17.5°	5775.7	5662.3	5531.4	5333.7	5098.1	4946.9	4946.9	4932.4	4941.1
20°	5275.5	5214.5	5086.5	4920.7	4720.1	4583.4	4627.0	4612.4	4629.9
22.5°	4734.6	4688.1	4577.6	4440.9	4272.2	4164.6	4260.6	4257.6	4280.9
25°	4115.1	4080.2	4004.6	3888.3	3740.0	3673.1	3833.0	3833.0	3894.1
27.5°	3431.7	3396.8	3344.5	3245.6	3123.4	3103.1	3338.6	3367.7	3434.6
30°	2733.7	2710.5	2681.4	2591.2	2489.4	2527.2	2853.0	2902.4	2978.0
32.5°	2111.4	2096.8	2088.1	2006.7	1916.5	2041.6	2413.8	2477.8	2553.4
35°	1593.7	1561.7	1585.0	1523.9	1442.5	1599.5	2009.6	2064.8	2125.9
37.5°	1174.9	1151.7	1172.0	1128.4	1055.7	1227.3	1614.1	1649.0	1689.7
40°	843.4	823.0	840.5	814.3	756.1	916.1	1265.1	1302.9	1320.3
42.5°	599.1	564.2	581.6	561.3	532.2	689.2	994.6	1029.5	1035.3
45°	378.1	366.4	378.1	366.4	360.6	511.8	785.2	817.2	831.8
47.5°	229.7	215.2	215.2	209.4	215.2	378.1	648.5	695.1	718.3
50°	130.9	125.1	122.1	119.2	130.9	296.6	561.3	613.6	642.7
52.5°	87.2	84.3	84.3	81.4	96.0	250.1	506.0	552.6	581.6
55°	64.0	61.1	61.1	61.1	75.6	215.2	465.3	503.1	529.3
57.5°	49.4	49.4	49.4	46.5	64.0	183.2	415.9	436.2	456.6
60°	40.7	37.8	37.8	37.8	52.3	157.0	357.7	366.4	378.1
62.5°	32.0	32.0	32.0	32.0	43.6	139.6	308.3	308.3	314.1
65°	29.1	26.2	26.2	26.2	37.8	122.1	258.8	255.9	261.7
67.5°	23.3	23.3	23.3	23.3	32.0	104.7	212.3	209.4	215.2
70°	20.4	20.4	20.4	20.4	26.2	87.2	171.6	168.7	174.5
72.5°	17.4	17.4	17.4	17.4	23.3	72.7	136.7	136.7	139.6
75°	14.5	14.5	14.5	14.5	20.4	55.3	110.5	110.5	113.4
77.5°	11.6	11.6	11.6	11.6	14.5	43.6	84.3	81.4	81.4
80°	5.8	8.7	8.7	8.7	11.6	32.0	61.1	55.3	55.3
82.5°	2.9	5.8	5.8	5.8	11.6	23.3	40.7	37.8	37.8
85°	2.9	2.9	2.9	8.7	11.6	17.4	26.2	26.2	26.2
87.5°	0.0	2.9	5.8	11.6	14.5	14.5	17.4	14.5	14.5
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)