

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: P799937

Luminaire Tested: **LD6C60D010 EU6609040 6LBMDSWMW**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799937
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 EU6609040 6LBMDSWMW
Description: 6 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

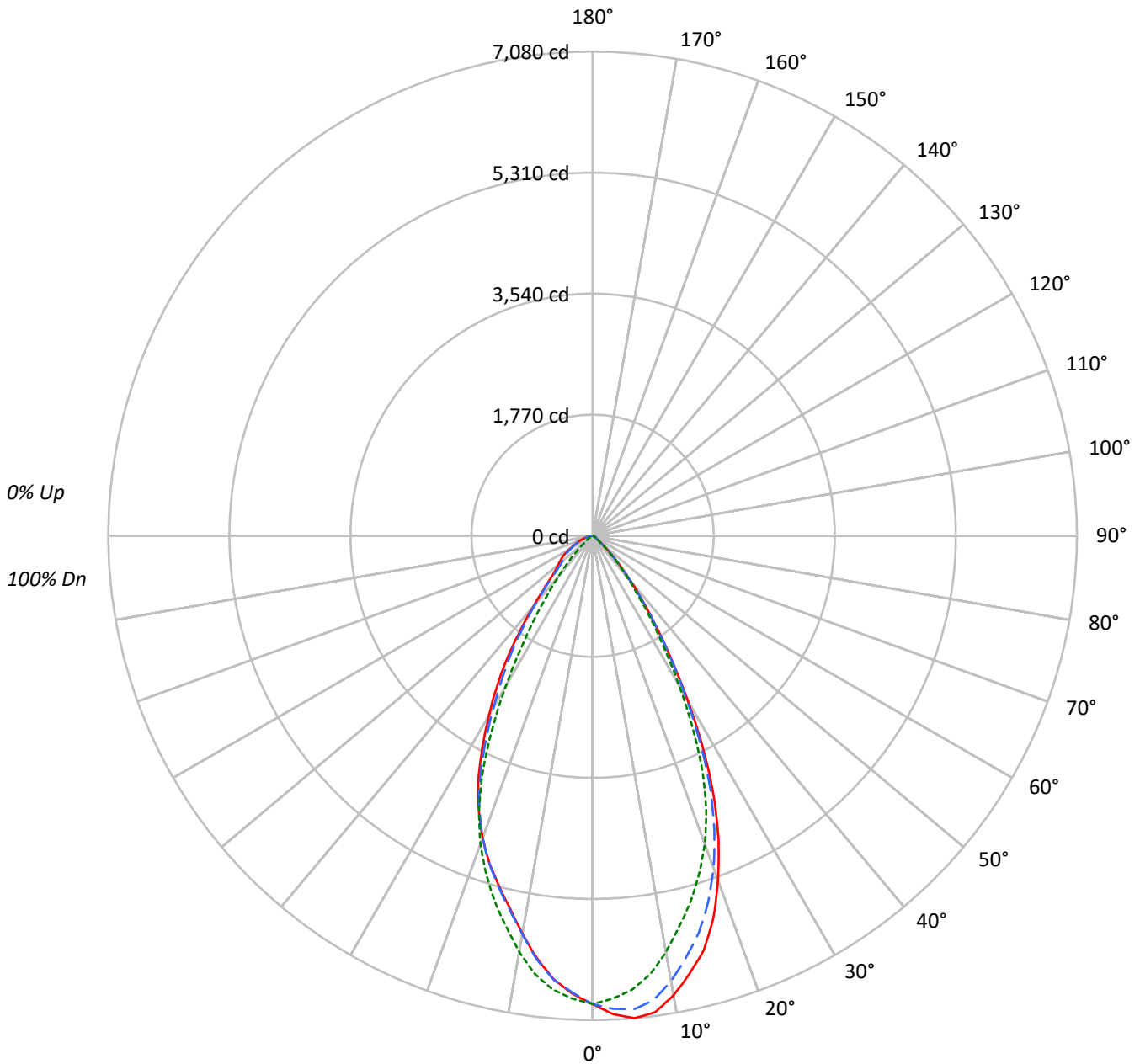
Lumens per Lamp: N/A
Luminaire Lumens: 5895.0 lumens
Efficiency: N/A
Efficacy: 81.9 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 72
Input Voltage (V): NR
Input Current (A_{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				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°	375354	375354	375354
5°	389626	366546	358254
10°	379663	343815	328690
15°	356069	314162	300581
20°	312589	279680	274336
25°	252819	229767	239240
30°	175761	160056	191466
35°	108328	98049	144500
40°	61301	54960	95966
45°	29771	28398	65495
50°	11334	11334	55674
55°	6212	7340	51382
60°	4539	5833	42102
65°	3827	4981	34478
70°	3318	4264	28402
75°	3135	4384	24400
80°	1863	3725	17711
85°	1887	7422	16731



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	626.8	10.6
10°-20°	1575.4	26.7
20°-30°	1773.5	30.1
30°-40°	1098.2	18.6
40°-50°	437.3	7.4
50°-60°	199.1	3.4
60°-70°	114.4	1.9
70°-80°	54.3	0.9
80°-90°	15.9	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°	3975.8	67.4
0°-40°	5073.9	86.1
0°-60°	5710.4	96.9
0°-90°	5895.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5895.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	6847	6847	6847	6847	6847	
5°	7080	6950	6661	6516	6510	667
15°	6274	6002	5536	5311	5296	1736
25°	4180	4067	3799	3893	3955	1879
35°	1619	1610	1465	2041	2159	1040
45°	384	384	366	798	845	325
55°	65	62	77	473	538	65
65°	30	27	38	263	266	29
75°	15	15	21	112	115	15
85°	3	3	12	27	27	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°	6847.0	6847.0	6847.0	6847.0	6847.0	6847.0	6847.0	6847.0	6847.0
2.5°	7003.5	6938.5	6923.8	6867.6	6773.1	6720.0	6687.5	6663.8	6705.2
5°	7080.3	7009.4	6950.4	6835.2	6660.9	6563.4	6516.1	6477.7	6510.2
7.5°	7024.2	6923.8	6844.0	6684.5	6463.0	6312.3	6247.3	6203.0	6232.6
10°	6820.4	6699.3	6607.7	6418.7	6176.4	5996.3	5916.5	5875.2	5904.7
12.5°	6554.5	6454.1	6315.3	6108.5	5848.6	5659.5	5600.5	5568.0	5579.8
15°	6273.9	6155.8	6002.2	5795.4	5535.5	5346.4	5311.0	5290.3	5296.2
17.5°	5866.3	5751.1	5618.2	5417.3	5178.1	5024.5	5024.5	5009.7	5018.5
20°	5358.2	5296.2	5166.2	4997.9	4794.1	4655.2	4699.5	4684.8	4702.5
22.5°	4808.8	4761.6	4649.3	4510.5	4339.2	4229.9	4327.4	4324.4	4348.0
25°	4179.7	4144.2	4067.4	3949.3	3798.6	3730.7	3893.1	3893.1	3955.2
27.5°	3485.5	3450.1	3396.9	3296.5	3172.4	3151.7	3391.0	3420.5	3488.5
30°	2776.6	2753.0	2723.4	2631.9	2528.5	2566.9	2897.7	2947.9	3024.7
32.5°	2144.5	2129.7	2120.8	2038.1	1946.6	2073.6	2451.7	2516.7	2593.5
35°	1618.7	1586.2	1609.8	1547.8	1465.1	1624.6	2041.1	2097.2	2159.2
37.5°	1193.3	1169.7	1190.4	1146.1	1072.2	1246.5	1639.4	1674.8	1716.2
40°	856.6	835.9	853.7	827.1	768.0	930.5	1284.9	1323.3	1341.0
42.5°	608.5	573.0	590.8	570.1	540.6	700.1	1010.2	1045.7	1051.6
45°	384.0	372.2	384.0	372.2	366.3	519.9	797.5	830.0	844.8
47.5°	233.4	218.6	218.6	212.7	218.6	384.0	658.7	706.0	729.6
50°	132.9	127.0	124.1	121.1	132.9	301.3	570.1	623.3	652.8
52.5°	88.6	85.7	85.7	82.7	97.5	254.0	514.0	561.2	590.8
55°	65.0	62.0	62.0	62.0	76.8	218.6	472.6	511.0	537.6
57.5°	50.2	50.2	50.2	47.3	65.0	186.1	422.4	443.1	463.8
60°	41.4	38.4	38.4	38.4	53.2	159.5	363.3	372.2	384.0
62.5°	32.5	32.5	32.5	32.5	44.3	141.8	313.1	313.1	319.0
65°	29.5	26.6	26.6	26.6	38.4	124.1	262.9	259.9	265.8
67.5°	23.6	23.6	23.6	23.6	32.5	106.3	215.6	212.7	218.6
70°	20.7	20.7	20.7	20.7	26.6	88.6	174.3	171.3	177.2
72.5°	17.7	17.7	17.7	17.7	23.6	73.8	138.8	138.8	141.8
75°	14.8	14.8	14.8	14.8	20.7	56.1	112.2	112.2	115.2
77.5°	11.8	11.8	11.8	11.8	14.8	44.3	85.7	82.7	82.7
80°	5.9	8.9	8.9	8.9	11.8	32.5	62.0	56.1	56.1
82.5°	3.0	5.9	5.9	5.9	11.8	23.6	41.4	38.4	38.4
85°	3.0	3.0	3.0	8.9	11.8	17.7	26.6	26.6	26.6
87.5°	0.0	3.0	5.9	11.8	14.8	14.8	17.7	14.8	14.8
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)