

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: P799949

Luminaire Tested: **LD6C60D010 EU6609050 6LBMDSWMW**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799949
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 EU6609050 6LBMDSWMW
Description: 6 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

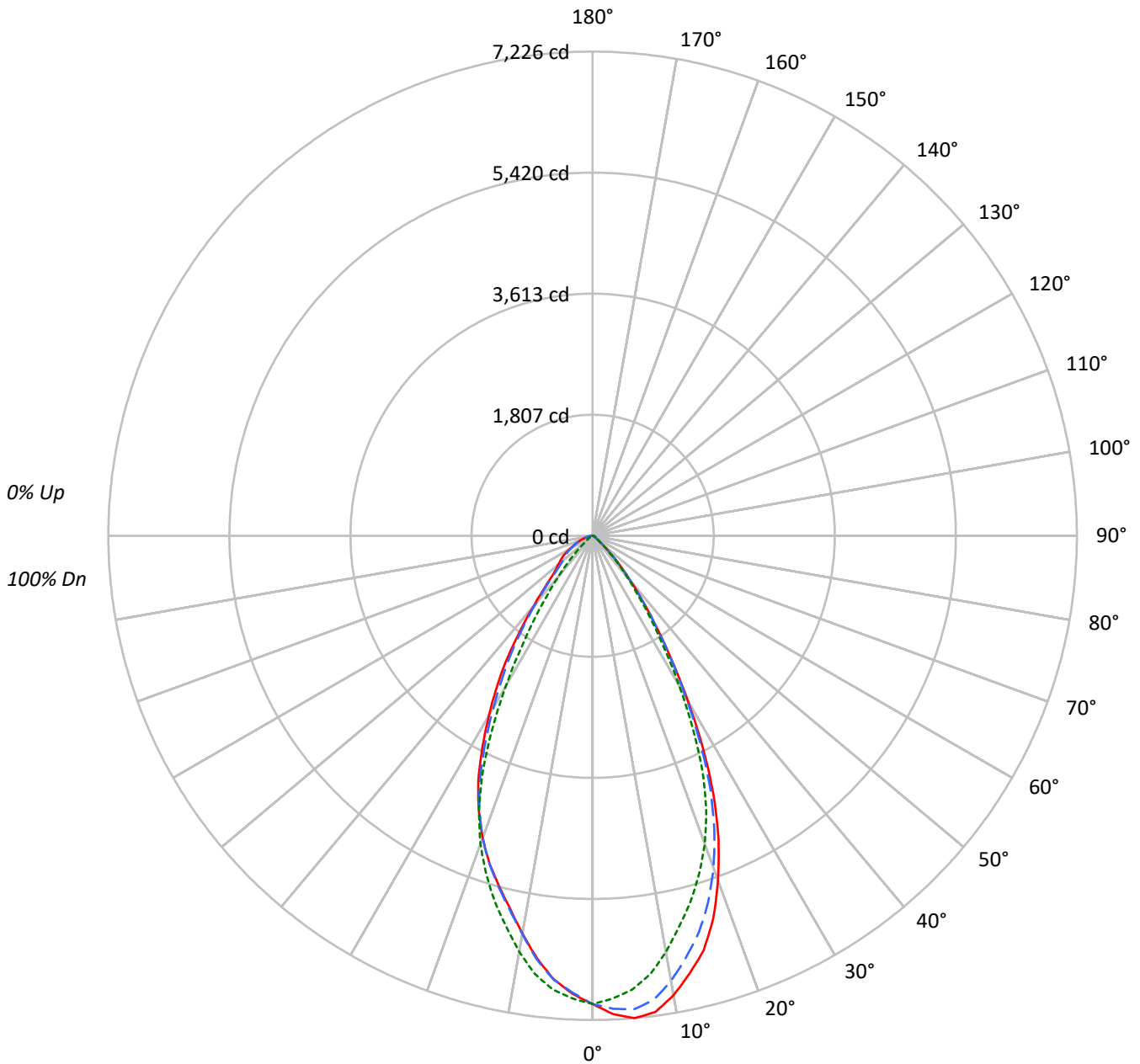
Lumens per Lamp: N/A
Luminaire Lumens: 6016.0 lumens
Efficiency: N/A
Efficacy: 83.6 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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	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°	383056	383056	383056
5°	397622	374069	365611
10°	387457	350873	335437
15°	363379	320609	306750
20°	319006	285421	279966
25°	258009	234485	244151
30°	179369	163342	195397
35°	110550	100063	147472
40°	62560	56091	97941
45°	30383	28980	66836
50°	11573	11573	56817
55°	6337	7493	52433
60°	4627	5953	42968
65°	3904	5085	35192
70°	3382	4344	28995
75°	3198	4469	24909
80°	1894	3820	18089
85°	1887	7611	17046



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	639.7	10.6
10°-20°	1607.8	26.7
20°-30°	1809.9	30.1
30°-40°	1120.7	18.6
40°-50°	446.3	7.4
50°-60°	203.2	3.4
60°-70°	116.8	1.9
70°-80°	55.5	0.9
80°-90°	16.2	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°	4057.4	67.4
0°-40°	5178.1	86.1
0°-60°	5827.6	96.9
0°-90°	6016.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6016.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	6988	6988	6988	6988	6988	
5°	7226	7093	6798	6650	6644	681
15°	6403	6125	5649	5420	5405	1771
25°	4266	4151	3877	3973	4036	1917
35°	1652	1643	1495	2083	2204	1062
45°	392	392	374	814	862	332
55°	66	63	78	482	549	66
65°	30	27	39	268	271	29
75°	15	15	21	114	118	16
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°	6987.5	6987.5	6987.5	6987.5	6987.5	6987.5	6987.5	6987.5	6987.5
2.5°	7147.3	7081.0	7065.9	7008.6	6912.1	6857.9	6824.7	6800.6	6842.8
5°	7225.6	7153.3	7093.0	6975.4	6797.6	6698.1	6649.9	6610.7	6643.9
7.5°	7168.4	7065.9	6984.5	6821.7	6595.6	6441.9	6375.6	6330.4	6360.5
10°	6960.4	6836.8	6743.3	6550.4	6303.2	6119.3	6038.0	5995.8	6025.9
12.5°	6689.1	6586.6	6444.9	6233.9	5968.6	5775.7	5715.4	5682.2	5694.3
15°	6402.7	6282.1	6125.4	5914.4	5649.1	5456.2	5420.0	5398.9	5404.9
17.5°	5986.7	5869.1	5733.5	5528.5	5284.3	5127.6	5127.6	5112.5	5121.6
20°	5468.2	5404.9	5272.3	5100.5	4892.5	4750.8	4796.0	4780.9	4799.0
22.5°	4907.5	4859.3	4744.8	4603.1	4428.2	4316.7	4416.2	4413.2	4437.3
25°	4265.5	4229.3	4150.9	4030.3	3876.6	3807.3	3973.1	3973.1	4036.4
27.5°	3557.1	3520.9	3466.6	3364.1	3237.5	3216.4	3460.6	3490.7	3560.1
30°	2833.6	2809.5	2779.3	2685.9	2580.4	2619.6	2957.2	3008.4	3086.8
32.5°	2188.5	2173.4	2164.4	2080.0	1986.5	2116.1	2502.0	2568.3	2646.7
35°	1651.9	1618.8	1642.9	1579.6	1495.2	1658.0	2083.0	2140.3	2203.6
37.5°	1217.8	1193.7	1214.8	1169.6	1094.2	1272.1	1673.0	1709.2	1751.4
40°	874.2	853.1	871.2	844.0	783.8	949.6	1311.3	1350.5	1368.6
42.5°	621.0	584.8	602.9	581.8	551.6	714.4	1030.9	1067.1	1073.1
45°	391.9	379.8	391.9	379.8	373.8	530.5	813.9	847.1	862.1
47.5°	238.1	223.1	223.1	217.0	223.1	391.9	672.2	720.5	744.6
50°	135.7	129.6	126.6	123.6	135.7	307.5	581.8	636.1	666.2
52.5°	90.4	87.4	87.4	84.4	99.5	259.2	524.5	572.7	602.9
55°	66.3	63.3	63.3	63.3	78.4	223.1	482.3	521.5	548.6
57.5°	51.2	51.2	51.2	48.2	66.3	189.9	431.1	452.2	473.3
60°	42.2	39.2	39.2	39.2	54.3	162.8	370.8	379.8	391.9
62.5°	33.2	33.2	33.2	33.2	45.2	144.7	319.5	319.5	325.6
65°	30.1	27.1	27.1	27.1	39.2	126.6	268.3	265.3	271.3
67.5°	24.1	24.1	24.1	24.1	33.2	108.5	220.1	217.0	223.1
70°	21.1	21.1	21.1	21.1	27.1	90.4	177.9	174.8	180.9
72.5°	18.1	18.1	18.1	18.1	24.1	75.4	141.7	141.7	144.7
75°	15.1	15.1	15.1	15.1	21.1	57.3	114.5	114.5	117.6
77.5°	12.1	12.1	12.1	12.1	15.1	45.2	87.4	84.4	84.4
80°	6.0	9.0	9.0	9.0	12.1	33.2	63.3	57.3	57.3
82.5°	3.0	6.0	6.0	6.0	12.1	24.1	42.2	39.2	39.2
85°	3.0	3.0	3.0	9.0	12.1	18.1	27.1	27.1	27.1
87.5°	0.0	3.0	6.0	12.1	15.1	15.1	18.1	15.1	15.1
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)