

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: P799950

Luminaire Tested: **LD6C60D010 EU6609050 6LBMDSWWH**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799950
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 6LBMDSWWH
Description: 6 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH WH FINISH
Light Source: -
Ballast/Driver: -

Summary

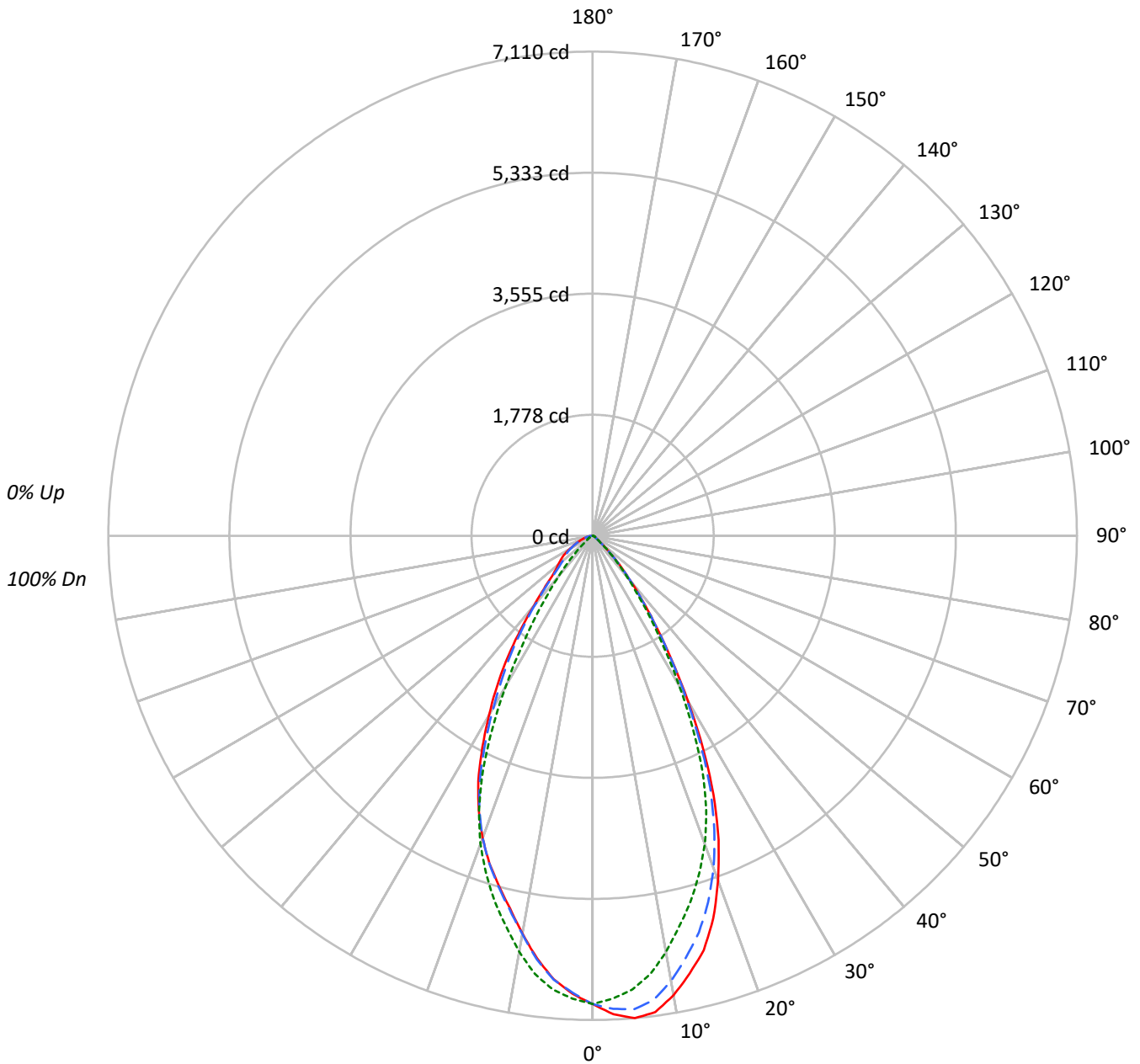
Lumens per Lamp: N/A
Luminaire Lumens: 5920.0 lumens
Efficiency: N/A
Efficacy: 82.2 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	376943	376943	376943
5°	391277	368098	359772
10°	381272	345273	330082
15°	357579	315490	301858
20°	313919	280864	275497
25°	253890	230741	240250
30°	176508	160734	192276
35°	108790	98464	145116
40°	61558	55196	96373
45°	29895	28515	65774
50°	11386	11386	55913
55°	6241	7369	51602
60°	4550	5855	42277
65°	3853	5007	34634
70°	3334	4280	28530
75°	3135	4406	24506
80°	1863	3757	17805
85°	1887	7485	16794



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	629.5	10.6
10°-20°	1582.1	26.7
20°-30°	1781.0	30.1
30°-40°	1102.8	18.6
40°-50°	439.2	7.4
50°-60°	199.9	3.4
60°-70°	114.9	1.9
70°-80°	54.6	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°	3992.6	67.4
0°-40°	5095.4	86.1
0°-60°	5734.6	96.9
0°-90°	5920.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5920.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	6876	6876	6876	6876	6876	
5°	7110	6980	6689	6544	6538	670
15°	6300	6028	5559	5334	5319	1743
25°	4197	4085	3815	3910	3972	1887
35°	1626	1617	1471	2050	2168	1045
45°	386	386	368	801	848	327
55°	65	62	77	475	540	65
65°	30	27	39	264	267	29
75°	15	15	21	113	116	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°	6876.0	6876.0	6876.0	6876.0	6876.0	6876.0	6876.0	6876.0	6876.0
2.5°	7033.2	6968.0	6953.1	6896.8	6801.8	6748.5	6715.8	6692.1	6733.6
5°	7110.3	7039.2	6979.8	6864.1	6689.1	6591.2	6543.8	6505.2	6537.8
7.5°	7054.0	6953.1	6873.0	6712.9	6490.4	6339.1	6273.8	6229.3	6259.0
10°	6849.3	6727.7	6635.7	6445.9	6202.6	6021.7	5941.6	5900.1	5929.7
12.5°	6582.3	6481.5	6342.1	6134.4	5873.4	5683.5	5624.2	5591.6	5603.4
15°	6300.5	6181.9	6027.6	5820.0	5558.9	5369.1	5333.5	5312.7	5318.7
17.5°	5891.2	5775.5	5642.0	5440.3	5200.0	5045.8	5045.8	5030.9	5039.8
20°	5381.0	5318.7	5188.2	5019.1	4814.4	4675.0	4719.5	4704.6	4722.4
22.5°	4829.2	4781.8	4669.0	4529.6	4357.6	4247.8	4345.7	4342.7	4366.5
25°	4197.4	4161.8	4084.7	3966.0	3814.7	3746.5	3909.7	3909.7	3971.9
27.5°	3500.3	3464.7	3411.3	3310.4	3185.9	3165.1	3405.4	3435.0	3503.3
30°	2788.4	2764.6	2735.0	2643.0	2539.2	2577.8	2910.0	2960.4	3037.5
32.5°	2153.6	2138.7	2129.8	2046.8	1954.8	2082.4	2462.1	2527.3	2604.5
35°	1625.6	1592.9	1616.7	1554.4	1471.3	1631.5	2049.7	2106.1	2168.4
37.5°	1198.4	1174.7	1195.4	1150.9	1076.8	1251.8	1646.3	1681.9	1723.5
40°	860.2	839.5	857.3	830.6	771.3	934.4	1290.4	1328.9	1346.7
42.5°	611.1	575.5	593.3	572.5	542.8	703.0	1014.5	1050.1	1056.0
45°	385.6	373.8	385.6	373.8	367.8	522.1	800.9	833.5	848.4
47.5°	234.3	219.5	219.5	213.6	219.5	385.6	661.5	709.0	732.7
50°	133.5	127.6	124.6	121.6	133.5	302.6	572.5	625.9	655.6
52.5°	89.0	86.0	86.0	83.1	97.9	255.1	516.1	563.6	593.3
55°	65.3	62.3	62.3	62.3	77.1	219.5	474.6	513.2	539.9
57.5°	50.4	50.4	50.4	47.5	65.3	186.9	424.2	445.0	465.7
60°	41.5	38.6	38.6	38.6	53.4	160.2	364.9	373.8	385.6
62.5°	32.6	32.6	32.6	32.6	44.5	142.4	314.4	314.4	320.4
65°	29.7	26.7	26.7	26.7	38.6	124.6	264.0	261.0	267.0
67.5°	23.7	23.7	23.7	23.7	32.6	106.8	216.5	213.6	219.5
70°	20.8	20.8	20.8	20.8	26.7	89.0	175.0	172.0	178.0
72.5°	17.8	17.8	17.8	17.8	23.7	74.2	139.4	139.4	142.4
75°	14.8	14.8	14.8	14.8	20.8	56.4	112.7	112.7	115.7
77.5°	11.9	11.9	11.9	11.9	14.8	44.5	86.0	83.1	83.1
80°	5.9	8.9	8.9	8.9	11.9	32.6	62.3	56.4	56.4
82.5°	3.0	5.9	5.9	5.9	11.9	23.7	41.5	38.6	38.6
85°	3.0	3.0	3.0	8.9	11.9	17.8	26.7	26.7	26.7
87.5°	0.0	3.0	5.9	11.9	14.8	14.8	17.8	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)