

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: P800032

Luminaire Tested: **LD6C70D010 EU6709030 6LBMDSWLI**

Issue Date: 4/12/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P800032  
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: LD6C70D010 EU6709030 6LBMDSWLI  
Description: 6 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS  
AND 6LBMDSW TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

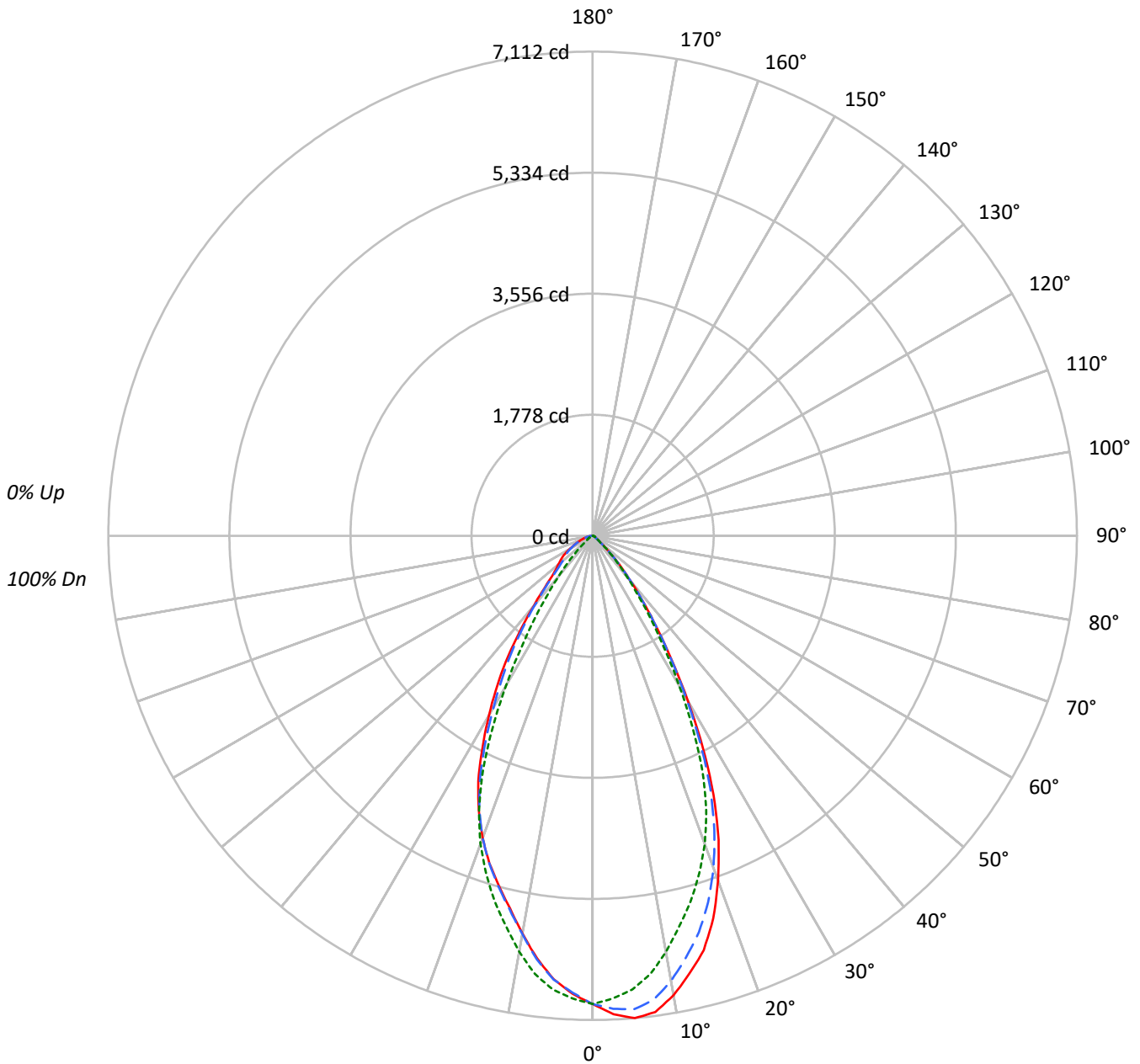
Lumens per Lamp: N/A  
Luminaire Lumens: 5921.0 lumens  
Efficiency: N/A  
Efficacy: 75.9 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 78  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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°	377009	377009	377009
5°	391343	368164	359833
10°	381339	345334	330138
15°	357641	315547	301909
20°	313971	280911	275544
25°	253932	230783	240292
30°	176533	160759	192314
35°	108804	98484	145143
40°	61573	55203	96395
45°	29902	28522	65782
50°	11386	11386	55921
55°	6241	7369	51611
60°	4550	5855	42288
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°	629.6	10.6
10°-20°	1582.4	26.7
20°-30°	1781.3	30.1
30°-40°	1103.0	18.6
40°-50°	439.3	7.4
50°-60°	200.0	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°	3993.3	67.4
0°-40°	5096.3	86.1
0°-60°	5735.5	96.9
0°-90°	5921.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5921.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	6877	6877	6877	6877	6877	
5°	7112	6981	6690	6545	6539	670
15°	6302	6029	5560	5334	5320	1743
25°	4198	4085	3815	3910	3973	1887
35°	1626	1617	1472	2050	2169	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°	6877.2	6877.2	6877.2	6877.2	6877.2	6877.2	6877.2	6877.2	6877.2
2.5°	7034.4	6969.1	6954.3	6897.9	6803.0	6749.6	6717.0	6693.2	6734.8
5°	7111.5	7040.3	6981.0	6865.3	6690.3	6592.3	6544.9	6506.3	6538.9
7.5°	7055.2	6954.3	6874.2	6714.0	6491.5	6340.2	6274.9	6230.4	6260.1
10°	6850.5	6728.8	6636.9	6447.0	6203.7	6022.7	5942.6	5901.1	5930.7
12.5°	6583.4	6482.6	6343.1	6135.5	5874.4	5684.5	5625.2	5592.5	5604.4
15°	6301.6	6182.9	6028.6	5821.0	5559.9	5370.0	5334.4	5313.6	5319.6
17.5°	5892.2	5776.5	5643.0	5441.2	5200.9	5046.6	5046.6	5031.8	5040.7
20°	5381.9	5319.6	5189.0	5019.9	4815.2	4675.8	4720.3	4705.4	4723.2
22.5°	4830.0	4782.6	4669.8	4530.4	4358.3	4248.5	4346.4	4343.5	4367.2
25°	4198.1	4162.5	4085.4	3966.7	3815.4	3747.1	3910.3	3910.3	3972.6
27.5°	3500.9	3465.3	3411.9	3311.0	3186.4	3165.6	3405.9	3435.6	3503.9
30°	2788.8	2765.1	2735.4	2643.5	2539.6	2578.2	2910.5	2960.9	3038.1
32.5°	2153.9	2139.1	2130.2	2047.1	1955.2	2082.7	2462.5	2527.8	2604.9
35°	1625.8	1593.2	1616.9	1554.6	1471.6	1631.8	2050.1	2106.5	2168.8
37.5°	1198.6	1174.9	1195.6	1151.1	1077.0	1252.0	1646.6	1682.2	1723.7
40°	860.4	839.6	857.4	830.7	771.4	934.6	1290.6	1329.2	1347.0
42.5°	611.2	575.6	593.4	572.6	542.9	703.1	1014.7	1050.3	1056.2
45°	385.7	373.8	385.7	373.8	367.9	522.2	801.1	833.7	848.5
47.5°	234.4	219.5	219.5	213.6	219.5	385.7	661.6	709.1	732.8
50°	133.5	127.6	124.6	121.6	133.5	302.6	572.6	626.0	655.7
52.5°	89.0	86.0	86.0	83.1	97.9	255.1	516.2	563.7	593.4
55°	65.3	62.3	62.3	62.3	77.1	219.5	474.7	513.3	540.0
57.5°	50.4	50.4	50.4	47.5	65.3	186.9	424.3	445.0	465.8
60°	41.5	38.6	38.6	38.6	53.4	160.2	364.9	373.8	385.7
62.5°	32.6	32.6	32.6	32.6	44.5	142.4	314.5	314.5	320.4
65°	29.7	26.7	26.7	26.7	38.6	124.6	264.0	261.1	267.0
67.5°	23.7	23.7	23.7	23.7	32.6	106.8	216.6	213.6	219.5
70°	20.8	20.8	20.8	20.8	26.7	89.0	175.0	172.1	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)