

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: P799526

Luminaire Tested: **LD6C25D010 EU6259050 6LBMDSWGPH**

Issue Date: 4/12/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P799526  
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: LD6C25D010 EU6259050 6LBMDSWGPH  
Description: 6 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS  
AND 6LBMDSW TRIM WITH GPH FINISH  
Light Source: -  
Ballast/Driver: -

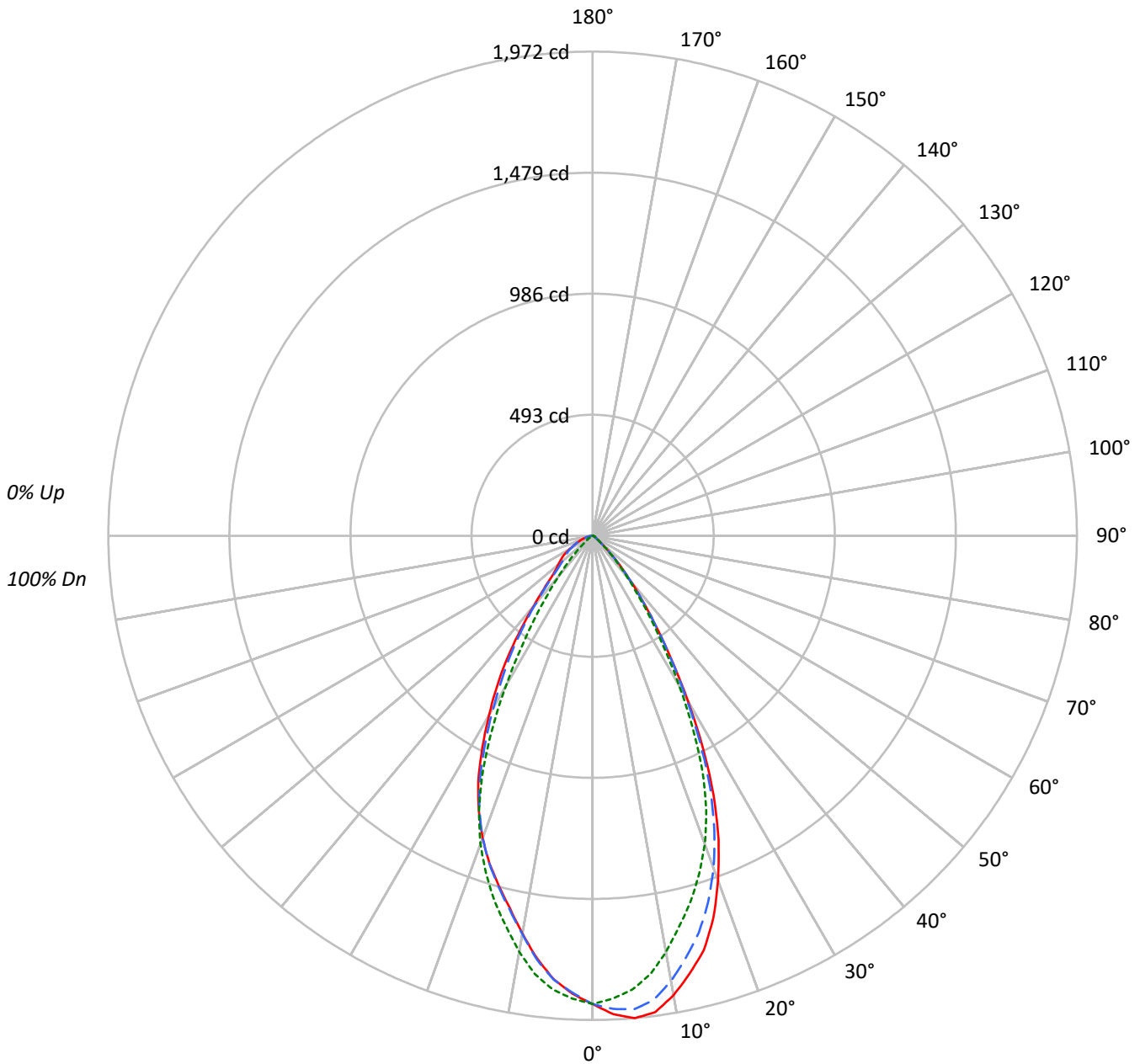
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1642.0 lumens  
Efficiency: N/A  
Efficacy: 52.1 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): 31.5  
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

TEST NUMBER: P799526

CATALOG NUMBER: LD6C25D010 EU6259050 6LBMDSWGPB

### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									
RC	80									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°	104553	104553	104553
5°	108529	102096	99791
10°	105754	95768	91554
15°	99178	87509	83724
20°	87070	77899	76412
25°	70419	64002	66639
30°	48957	44583	53331
35°	30176	27311	40248
40°	17075	15307	26729
45°	8295	7908	18242
50°	3156	3156	15505
55°	1730	2045	14308
60°	1261	1623	11732
65°	1064	1388	9599
70°	930	1186	7918
75°	868	1228	6799
80°	505	1042	4925
85°	503	2076	4655



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	174.6	10.6
10°-20°	438.8	26.7
20°-30°	494.0	30.1
30°-40°	305.9	18.6
40°-50°	121.8	7.4
50°-60°	55.5	3.4
60°-70°	31.9	1.9
70°-80°	15.1	0.9
80°-90°	4.4	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°	1107.4	67.4
0°-40°	1413.3	86.1
0°-60°	1590.6	96.9
0°-90°	1642.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1642.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1907	1907	1907	1907	1907	
5°	1972	1936	1855	1815	1813	186
15°	1748	1672	1542	1479	1475	483
25°	1164	1133	1058	1084	1102	523
35°	451	448	408	568	601	290
45°	107	107	102	222	235	91
55°	18	17	21	132	150	18
65°	8	7	11	73	74	8
75°	4	4	6	31	32	4
85°	1	1	3	7	7	1
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°	1907.2	1907.2	1907.2	1907.2	1907.2	1907.2	1907.2	1907.2	1907.2
2.5°	1950.8	1932.7	1928.6	1912.9	1886.6	1871.8	1862.7	1856.2	1867.7
5°	1972.2	1952.4	1936.0	1903.9	1855.3	1828.2	1815.0	1804.3	1813.4
7.5°	1956.5	1928.6	1906.3	1861.9	1800.2	1758.2	1740.1	1727.8	1736.0
10°	1899.8	1866.0	1840.5	1787.9	1720.4	1670.2	1648.0	1636.5	1644.7
12.5°	1825.7	1797.7	1759.1	1701.5	1629.1	1576.4	1560.0	1550.9	1554.2
15°	1747.5	1714.6	1671.9	1614.3	1541.9	1489.2	1479.3	1473.6	1475.2
17.5°	1634.0	1601.9	1564.9	1508.9	1442.3	1399.5	1399.5	1395.4	1397.9
20°	1492.5	1475.2	1439.0	1392.1	1335.3	1296.7	1309.0	1304.9	1309.8
22.5°	1339.5	1326.3	1295.0	1256.4	1208.6	1178.2	1205.3	1204.5	1211.1
25°	1164.2	1154.3	1132.9	1100.0	1058.1	1039.1	1084.4	1084.4	1101.7
27.5°	970.9	961.0	946.2	918.2	883.6	877.9	944.5	952.8	971.7
30°	773.4	766.8	758.6	733.1	704.3	715.0	807.1	821.1	842.5
32.5°	597.3	593.2	590.7	567.7	542.2	577.6	682.9	701.0	722.4
35°	450.9	441.8	448.4	431.1	408.1	452.5	568.5	584.2	601.4
37.5°	332.4	325.8	331.6	319.2	298.7	347.2	456.6	466.5	478.0
40°	238.6	232.8	237.8	230.4	213.9	259.2	357.9	368.6	373.5
42.5°	169.5	159.6	164.6	158.8	150.6	195.0	281.4	291.3	292.9
45°	107.0	103.7	107.0	103.7	102.0	144.8	222.1	231.2	235.3
47.5°	65.0	60.9	60.9	59.2	60.9	107.0	183.5	196.6	203.2
50°	37.0	35.4	34.6	33.7	37.0	83.9	158.8	173.6	181.8
52.5°	24.7	23.9	23.9	23.0	27.2	70.8	143.2	156.3	164.6
55°	18.1	17.3	17.3	17.3	21.4	60.9	131.6	142.3	149.7
57.5°	14.0	14.0	14.0	13.2	18.1	51.8	117.7	123.4	129.2
60°	11.5	10.7	10.7	10.7	14.8	44.4	101.2	103.7	107.0
62.5°	9.1	9.1	9.1	9.1	12.3	39.5	87.2	87.2	88.9
65°	8.2	7.4	7.4	7.4	10.7	34.6	73.2	72.4	74.0
67.5°	6.6	6.6	6.6	6.6	9.1	29.6	60.1	59.2	60.9
70°	5.8	5.8	5.8	5.8	7.4	24.7	48.5	47.7	49.4
72.5°	4.9	4.9	4.9	4.9	6.6	20.6	38.7	38.7	39.5
75°	4.1	4.1	4.1	4.1	5.8	15.6	31.3	31.3	32.1
77.5°	3.3	3.3	3.3	3.3	4.1	12.3	23.9	23.0	23.0
80°	1.6	2.5	2.5	2.5	3.3	9.1	17.3	15.6	15.6
82.5°	0.8	1.6	1.6	1.6	3.3	6.6	11.5	10.7	10.7
85°	0.8	0.8	0.8	2.5	3.3	4.9	7.4	7.4	7.4
87.5°	0.0	0.8	1.6	3.3	4.1	4.1	4.9	4.1	4.1
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)