

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: P799515

Luminaire Tested: **LD6C25D010 EU6259040 6LBMDSWH**

Issue Date: 4/12/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P799515  
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 EU6259040 6LBMDSWH  
Description: 6 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS  
AND 6LBMDSW TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

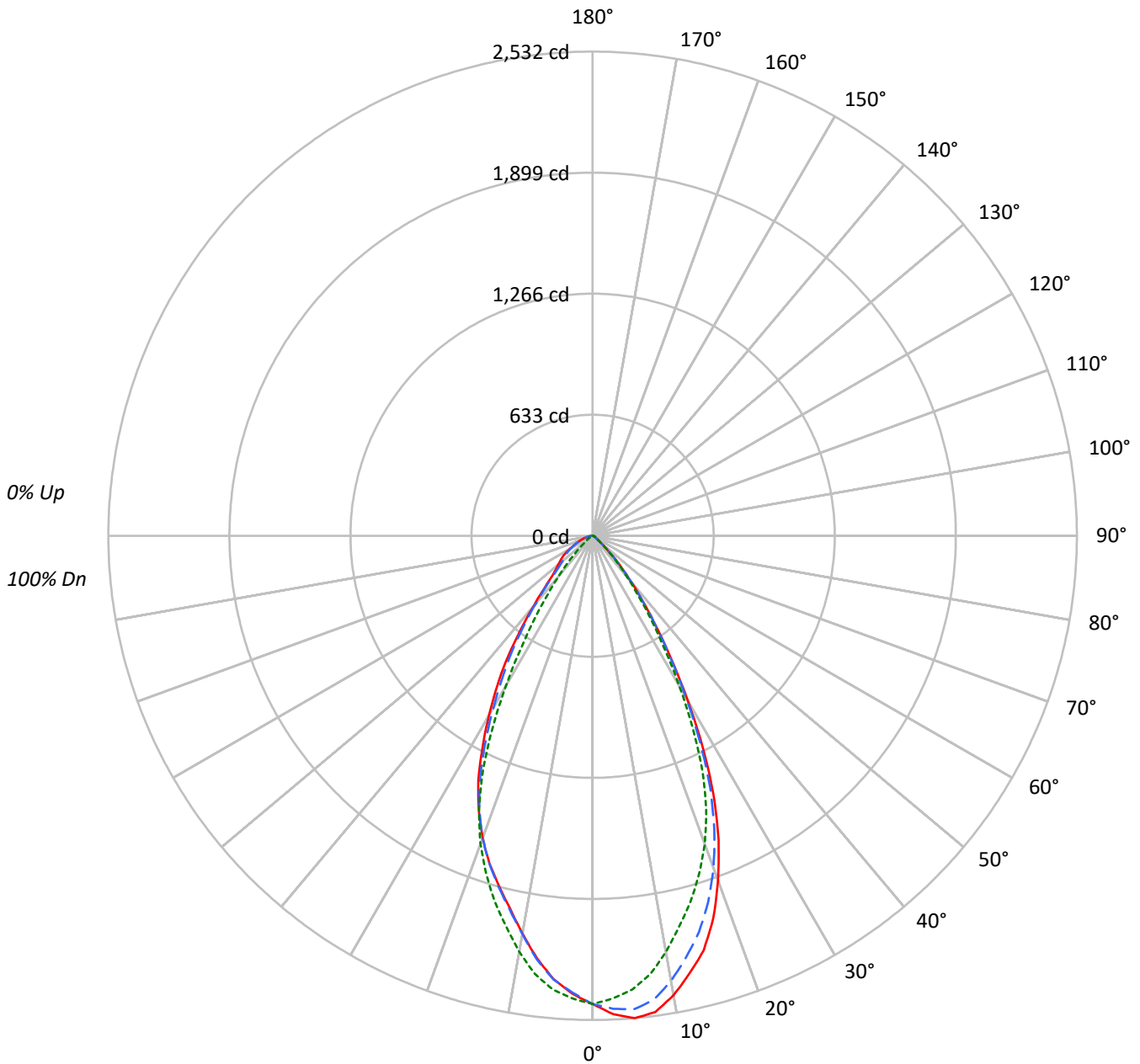
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2108.0 lumens  
Efficiency: N/A  
Efficacy: 66.9 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): 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

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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°	134222	134222	134222
5°	139329	131075	128109
10°	135763	122944	117538
15°	127328	112339	107486
20°	111782	100010	98102
25°	90404	82166	85547
30°	62851	57237	68466
35°	38735	35061	51671
40°	21920	19651	34314
45°	10645	10156	23421
50°	4051	4051	19906
55°	2217	2628	18370
60°	1623	2083	15054
65°	1375	1777	12336
70°	1186	1523	10162
75°	1123	1567	8727
80°	663	1326	6346
85°	692	2642	5975



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	224.1	10.6
10°-20°	563.4	26.7
20°-30°	634.2	30.1
30°-40°	392.7	18.6
40°-50°	156.4	7.4
50°-60°	71.2	3.4
60°-70°	40.9	1.9
70°-80°	19.4	0.9
80°-90°	5.7	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°	1421.7	67.4
0°-40°	1814.4	86.1
0°-60°	2042.0	96.9
0°-90°	2108.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2108.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	2448	2448	2448	2448	2448	
5°	2532	2485	2382	2330	2328	238
15°	2244	2146	1979	1899	1894	621
25°	1495	1454	1358	1392	1414	672
35°	579	576	524	730	772	372
45°	137	137	131	285	302	116
55°	23	22	28	169	192	23
65°	11	10	14	94	95	10
75°	5	5	7	40	41	5
85°	1	1	4	10	10	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°	2448.4	2448.4	2448.4	2448.4	2448.4	2448.4	2448.4	2448.4	2448.4
2.5°	2504.4	2481.2	2475.9	2455.8	2422.0	2403.0	2391.4	2382.9	2397.7
5°	2531.9	2506.5	2485.4	2444.2	2381.9	2347.0	2330.1	2316.4	2328.0
7.5°	2511.8	2475.9	2447.4	2390.3	2311.1	2257.2	2234.0	2218.2	2228.7
10°	2438.9	2395.6	2362.9	2295.3	2208.6	2144.2	2115.7	2100.9	2111.5
12.5°	2343.8	2307.9	2258.3	2184.3	2091.4	2023.8	2002.7	1991.1	1995.3
15°	2243.5	2201.2	2146.3	2072.4	1979.4	1911.8	1899.2	1891.8	1893.9
17.5°	2097.7	2056.5	2009.0	1937.2	1851.6	1796.7	1796.7	1791.4	1794.6
20°	1916.1	1893.9	1847.4	1787.2	1714.3	1664.7	1680.5	1675.2	1681.6
22.5°	1719.6	1702.7	1662.6	1612.9	1551.6	1512.6	1547.4	1546.4	1554.8
25°	1494.6	1481.9	1454.5	1412.2	1358.4	1334.1	1392.2	1392.2	1414.3
27.5°	1246.4	1233.7	1214.7	1178.8	1134.4	1127.0	1212.6	1223.2	1247.4
30°	992.9	984.4	973.9	941.1	904.2	917.9	1036.2	1054.1	1081.6
32.5°	766.8	761.6	758.4	728.8	696.1	741.5	876.7	899.9	927.4
35°	578.8	567.2	575.7	553.5	523.9	580.9	729.9	749.9	772.1
37.5°	426.7	418.3	425.7	409.8	383.4	445.7	586.2	598.9	613.7
40°	306.3	298.9	305.3	295.8	274.6	332.7	459.5	473.2	479.5
42.5°	217.6	204.9	211.3	203.9	193.3	250.3	361.2	373.9	376.0
45°	137.3	133.1	137.3	133.1	131.0	185.9	285.2	296.8	302.1
47.5°	83.4	78.2	78.2	76.1	78.2	137.3	235.5	252.4	260.9
50°	47.5	45.4	44.4	43.3	47.5	107.7	203.9	222.9	233.4
52.5°	31.7	30.6	30.6	29.6	34.9	90.8	183.8	200.7	211.3
55°	23.2	22.2	22.2	22.2	27.5	78.2	169.0	182.7	192.2
57.5°	18.0	18.0	18.0	16.9	23.2	66.5	151.0	158.4	165.8
60°	14.8	13.7	13.7	13.7	19.0	57.0	129.9	133.1	137.3
62.5°	11.6	11.6	11.6	11.6	15.8	50.7	112.0	112.0	114.1
65°	10.6	9.5	9.5	9.5	13.7	44.4	94.0	93.0	95.1
67.5°	8.5	8.5	8.5	8.5	11.6	38.0	77.1	76.1	78.2
70°	7.4	7.4	7.4	7.4	9.5	31.7	62.3	61.3	63.4
72.5°	6.3	6.3	6.3	6.3	8.5	26.4	49.6	49.6	50.7
75°	5.3	5.3	5.3	5.3	7.4	20.1	40.1	40.1	41.2
77.5°	4.2	4.2	4.2	4.2	5.3	15.8	30.6	29.6	29.6
80°	2.1	3.2	3.2	3.2	4.2	11.6	22.2	20.1	20.1
82.5°	1.1	2.1	2.1	2.1	4.2	8.5	14.8	13.7	13.7
85°	1.1	1.1	1.1	3.2	4.2	6.3	9.5	9.5	9.5
87.5°	0.0	1.1	2.1	4.2	5.3	5.3	6.3	5.3	5.3
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)