

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: P799496

Luminaire Tested: **LD6C25D010 EU6259035 6LBMDDWGP**

Issue Date: 4/12/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P799496  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2309-186-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 4/12/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD6C25D010 EU6259035 6LBMDDWGPH  
Description: 6 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS  
AND 6LBMDDW TRIM WITH GPH FINISH  
Light Source: -  
Ballast/Driver: -

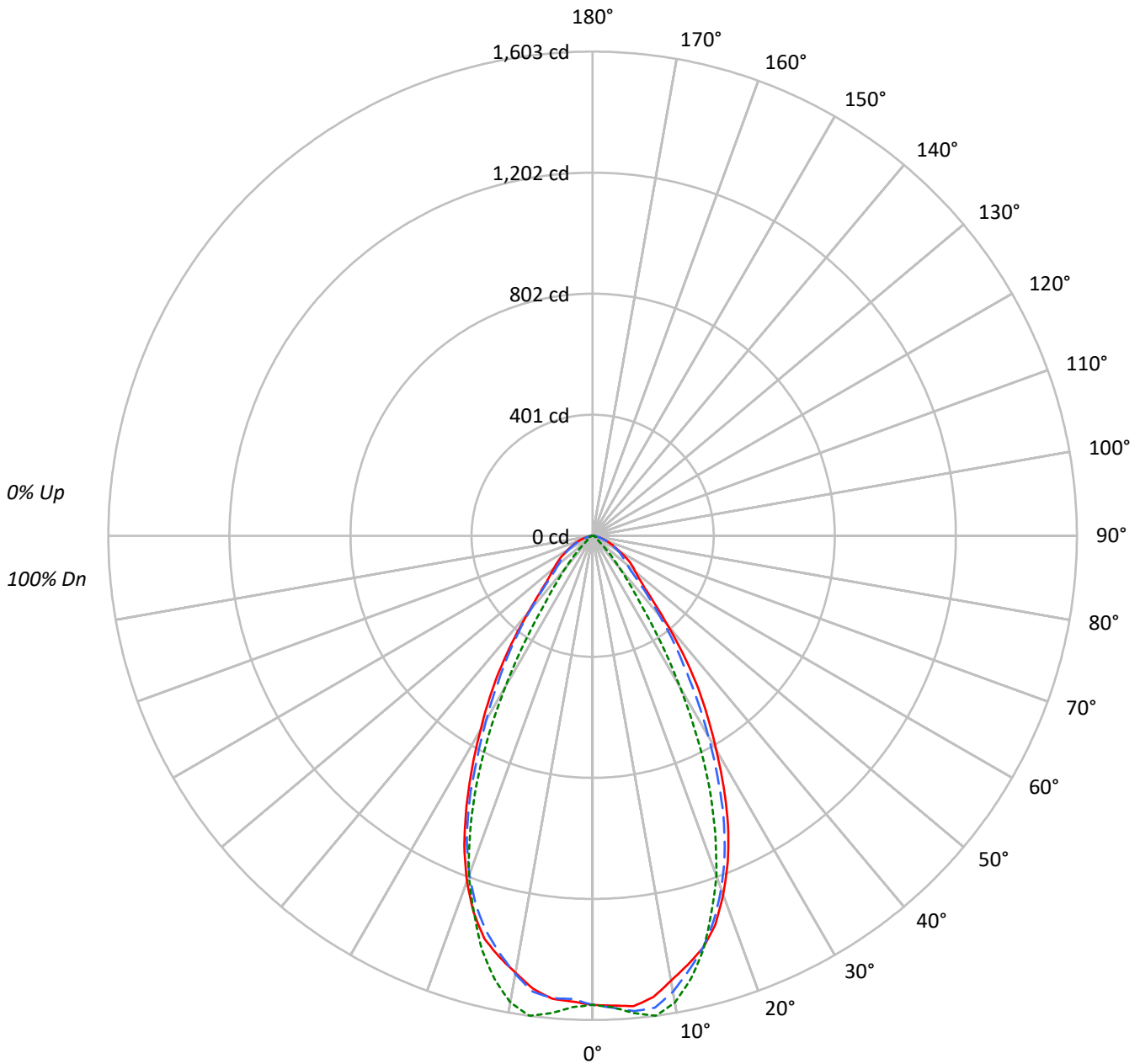
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1581.0 lumens  
Efficiency: N/A  
Efficacy: 50.2 lumens/watt  
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88  
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			
1	112	109	106	104	110	107	105	102	103	101	99	99	98	96	96	94	93	91			
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76			
4	94	85	79	74	92	84	78	74	82	77	73	80	76	72	78	74	71	70			
5	89	79	73	68	87	78	72	68	76	71	67	75	70	66	73	69	66	64			
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59			
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	55			
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51			
9	71	61	55	50	70	60	54	50	59	54	50	58	53	50	58	53	50	48			
10	68	57	51	47	67	57	51	47	56	51	47	55	50	47	55	50	47	45			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°
0°	85136	85136	85136
5°	86022	87326	84674
10°	83237	87329	81784
15°	80114	80426	78406
20°	73734	69860	70969
25°	64165	55092	59774
30°	51755	36601	46950
35°	40120	18872	35262
40°	27530	9783	23744
45°	18862	4900	16661
50°	15692	2089	14285
55°	14117	1816	12759
60°	11172	1732	10657
65°	9223	1531	9119
70°	7469	1394	7469
75°	5528	1504	5846
80°	3252	1231	3504
85°	2453	1510	2453



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	147.8	9.4
10°-20°	388.0	24.5
20°-30°	442.9	28.0
30°-40°	293.7	18.6
40°-50°	141.7	9.0
50°-60°	87.1	5.5
60°-70°	52.7	3.3
70°-80°	22.2	1.4
80°-90°	4.9	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°	978.7	61.9
0°-40°	1272.4	80.5
0°-60°	1501.2	95.0
0°-90°	1581.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1581.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1553	1553	1553	1553	1553	
5°	1563	1580	1587	1536	1539	147
15°	1412	1412	1417	1357	1382	393
25°	1061	1025	911	964	988	481
35°	600	528	282	493	527	371
45°	243	213	63	199	215	198
55°	148	120	19	120	134	130
65°	71	68	12	64	70	71
75°	26	26	7	24	28	28
85°	4	6	2	4	4	5
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°	1553.0	1553.0	1553.0	1553.0	1553.0	1553.0	1553.0	1553.0	1553.0
2.5°	1556.9	1559.3	1564.0	1564.8	1562.4	1547.4	1534.8	1539.5	1543.5
5°	1563.2	1568.0	1579.8	1590.9	1586.9	1561.6	1536.4	1535.6	1538.7
7.5°	1540.3	1551.4	1575.9	1603.5	1602.7	1559.3	1522.2	1512.7	1512.7
10°	1495.3	1505.6	1532.4	1569.5	1568.8	1514.3	1473.2	1468.4	1469.2
12.5°	1455.0	1459.8	1473.2	1502.4	1502.4	1448.7	1417.1	1421.8	1428.2
15°	1411.6	1414.7	1411.6	1421.0	1417.1	1372.9	1357.1	1372.1	1381.5
17.5°	1350.0	1351.5	1334.9	1322.3	1307.3	1279.7	1283.6	1305.7	1308.1
20°	1263.9	1274.1	1244.1	1211.7	1197.5	1171.4	1193.6	1218.0	1216.5
22.5°	1169.1	1180.9	1142.2	1088.5	1059.3	1049.0	1088.5	1110.6	1109.8
25°	1060.8	1069.5	1025.3	950.3	910.8	909.2	963.7	986.6	988.2
27.5°	939.2	942.4	892.6	794.6	745.7	757.5	826.2	857.8	861.8
30°	817.6	816.0	764.6	643.0	578.2	610.6	703.0	737.8	741.7
32.5°	706.2	701.4	643.0	497.6	420.2	468.4	590.1	626.4	632.7
35°	599.5	591.6	528.4	368.1	282.0	353.9	492.9	524.5	526.9
37.5°	488.2	484.2	434.4	275.7	196.7	268.6	402.1	425.0	422.6
40°	384.7	384.7	343.6	204.6	136.7	199.8	318.3	338.9	331.8
42.5°	301.7	305.7	270.9	150.9	97.2	148.5	252.0	270.9	263.0
45°	243.3	243.3	213.3	112.2	63.2	110.6	199.1	216.4	214.9
47.5°	206.2	203.0	173.0	82.2	34.8	82.9	167.5	188.8	188.0
50°	184.0	179.3	148.5	64.8	24.5	68.7	146.9	166.7	167.5
52.5°	166.7	159.6	133.5	57.7	21.3	60.0	133.5	149.3	149.3
55°	147.7	143.8	120.1	51.3	19.0	53.7	120.1	134.3	133.5
57.5°	124.8	124.0	107.4	46.6	17.4	47.4	107.4	116.1	113.0
60°	101.9	105.1	93.2	41.9	15.8	42.7	91.6	98.7	97.2
62.5°	85.3	89.3	81.4	37.1	13.4	37.9	77.4	84.5	82.9
65°	71.1	74.3	67.9	31.6	11.8	31.6	64.0	70.3	70.3
67.5°	58.5	60.8	56.1	26.1	10.3	26.1	52.1	57.7	58.5
70°	46.6	48.2	44.2	20.5	8.7	21.3	41.1	46.6	46.6
72.5°	36.3	37.1	34.8	16.6	7.9	16.6	31.6	36.3	36.3
75°	26.1	27.6	26.1	12.6	7.1	12.6	24.5	26.9	27.6
77.5°	15.0	19.0	19.0	10.3	5.5	9.5	17.4	18.2	18.2
80°	10.3	11.8	13.4	7.1	3.9	7.1	11.1	11.8	11.1
82.5°	7.1	7.9	7.9	4.7	3.2	4.7	7.1	7.9	7.1
85°	3.9	5.5	5.5	3.9	2.4	3.2	3.9	4.7	3.9
87.5°	2.4	3.2	3.9	3.2	2.4	2.4	2.4	2.4	1.6
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)