

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: P799440

Luminaire Tested: **LD6C20D010 EU6209035 6LBMDDWWH**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799440
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: LD6C20D010 EU6209035 6LBMDDWWH
Description: 6 INCH 2000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBMDDW TRIM WITH WH FINISH
Light Source: -
Ballast/Driver: -

Summary

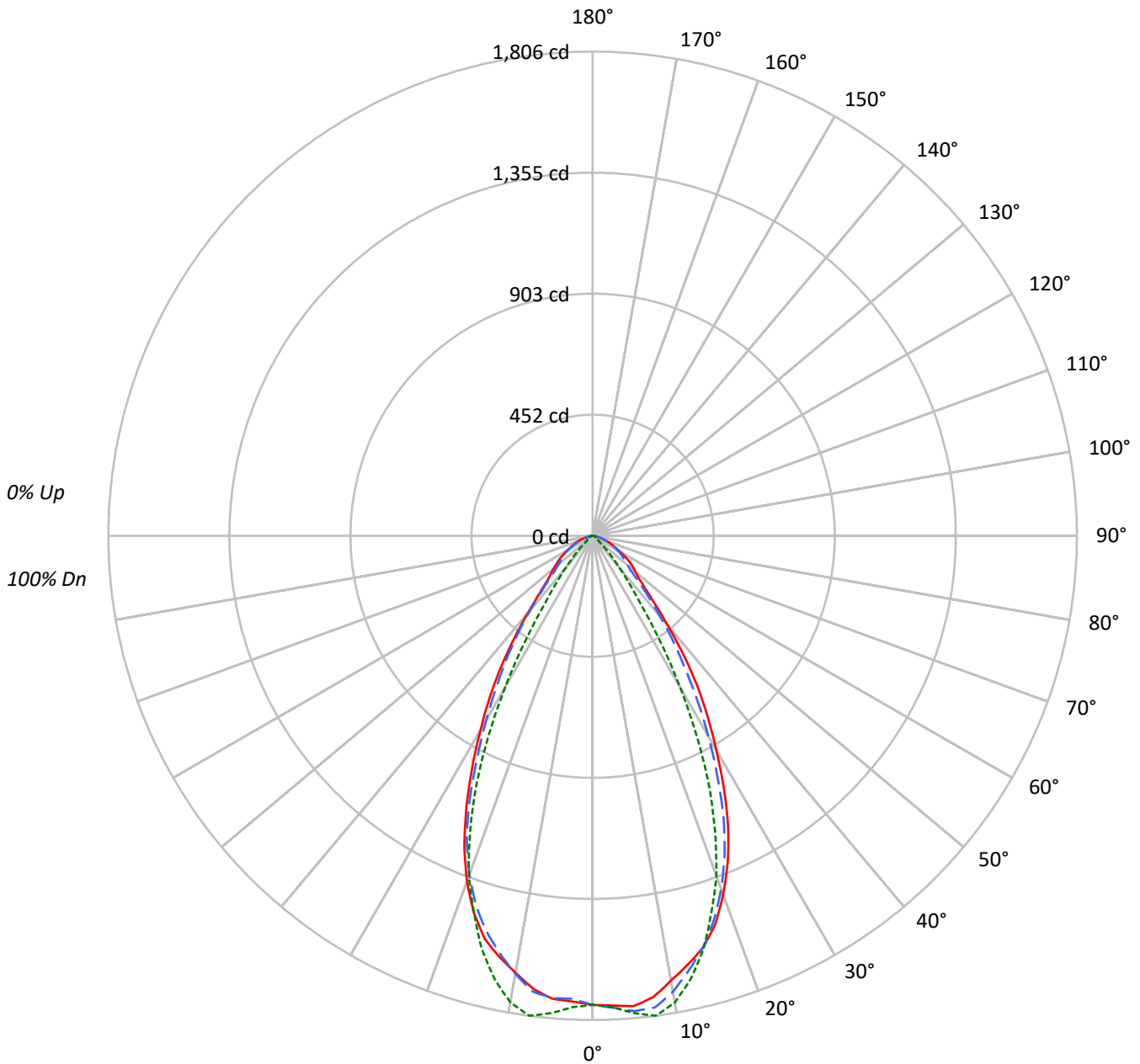
Lumens per Lamp: N/A
Luminaire Lumens: 1781.0 lumens
Efficiency: N/A
Efficacy: 81.7 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 21.8
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									
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	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°	95902	95902	95902
5°	96907	98376	95388
10°	93769	98373	92133
15°	90245	90602	88326
20°	83056	78699	79941
25°	72282	62060	67335
30°	58300	41234	52894
35°	45200	21261	39719
40°	31008	11013	26743
45°	21250	5520	18762
50°	17680	2354	16085
55°	15904	2045	14375
60°	12587	1952	11995
65°	10390	1725	10273
70°	8415	1571	8415
75°	6227	1694	6587
80°	3662	1389	3946
85°	2768	1698	2768



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	166.5	9.4
10°-20°	437.1	24.5
20°-30°	498.9	28.0
30°-40°	330.9	18.6
40°-50°	159.6	9.0
50°-60°	98.2	5.5
60°-70°	59.4	3.3
70°-80°	25.0	1.4
80°-90°	5.5	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°	1102.5	61.9
0°-40°	1433.4	80.5
0°-60°	1691.1	95.0
0°-90°	1781.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1781.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1749	1749	1749	1749	1749	
5°	1761	1780	1788	1731	1733	165
15°	1590	1590	1596	1529	1556	443
25°	1195	1155	1026	1086	1113	542
35°	675	595	318	555	594	418
45°	274	240	71	224	242	223
55°	166	135	21	135	150	146
65°	80	76	13	72	79	80
75°	29	29	8	28	31	31
85°	4	6	3	4	4	6
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°	1749.4	1749.4	1749.4	1749.4	1749.4	1749.4	1749.4	1749.4	1749.4
2.5°	1753.9	1756.5	1761.9	1762.8	1760.1	1743.2	1728.9	1734.3	1738.7
5°	1761.0	1766.3	1779.7	1792.1	1787.7	1759.2	1730.7	1729.8	1733.4
7.5°	1735.2	1747.6	1775.2	1806.4	1805.5	1756.5	1714.7	1704.0	1704.0
10°	1684.5	1696.0	1726.3	1768.1	1767.2	1705.8	1659.5	1654.2	1655.1
12.5°	1639.1	1644.4	1659.5	1692.5	1692.5	1632.0	1596.4	1601.7	1608.8
15°	1590.1	1593.7	1590.1	1600.8	1596.4	1546.5	1528.7	1545.6	1556.3
17.5°	1520.7	1522.5	1503.8	1489.6	1472.7	1441.5	1446.0	1470.9	1473.6
20°	1423.7	1435.3	1401.5	1365.0	1349.0	1319.6	1344.5	1372.1	1370.3
22.5°	1317.0	1330.3	1286.7	1226.2	1193.3	1181.7	1226.2	1251.1	1250.2
25°	1195.0	1204.8	1155.0	1070.5	1026.0	1024.2	1085.6	1111.4	1113.2
27.5°	1058.0	1061.6	1005.5	895.2	840.0	853.4	930.8	966.4	970.8
30°	921.0	919.2	861.4	724.3	651.4	687.8	792.0	831.1	835.6
32.5°	795.5	790.2	724.3	560.6	473.4	527.7	664.7	705.6	712.8
35°	675.4	666.5	595.3	414.7	317.7	398.6	555.3	590.8	593.5
37.5°	549.9	545.5	489.4	310.6	221.6	302.5	452.9	478.7	476.1
40°	433.3	433.3	387.1	230.5	153.9	225.1	358.6	381.7	373.7
42.5°	339.9	344.4	305.2	170.0	109.4	167.3	283.9	305.2	296.3
45°	274.1	274.1	240.3	126.4	71.2	124.6	224.2	243.8	242.0
47.5°	232.2	228.7	194.9	92.5	39.2	93.4	188.6	212.7	211.8
50°	207.3	202.0	167.3	73.0	27.6	77.4	165.5	187.8	188.6
52.5°	187.8	179.7	150.4	65.0	24.0	67.6	150.4	168.2	168.2
55°	166.4	161.9	135.3	57.8	21.4	60.5	135.3	151.3	150.4
57.5°	140.6	139.7	121.0	52.5	19.6	53.4	121.0	130.8	127.2
60°	114.8	118.3	105.0	47.2	17.8	48.1	103.2	111.2	109.4
62.5°	96.1	100.6	91.7	41.8	15.1	42.7	87.2	95.2	93.4
65°	80.1	83.6	76.5	35.6	13.3	35.6	72.1	79.2	79.2
67.5°	65.8	68.5	63.2	29.4	11.6	29.4	58.7	65.0	65.8
70°	52.5	54.3	49.8	23.1	9.8	24.0	46.3	52.5	52.5
72.5°	40.9	41.8	39.2	18.7	8.9	18.7	35.6	40.9	40.9
75°	29.4	31.1	29.4	14.2	8.0	14.2	27.6	30.3	31.1
77.5°	16.9	21.4	21.4	11.6	6.2	10.7	19.6	20.5	20.5
80°	11.6	13.3	15.1	8.0	4.4	8.0	12.5	13.3	12.5
82.5°	8.0	8.9	8.9	5.3	3.6	5.3	8.0	8.9	8.0
85°	4.4	6.2	6.2	4.4	2.7	3.6	4.4	5.3	4.4
87.5°	2.7	3.6	4.4	3.6	2.7	2.7	2.7	2.7	1.8
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)