

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: P799425

Luminaire Tested: **LD6C20D010 EU6209030 6LBMDDWH**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799425
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 EU6209030 6LBMDDWH
Description: 6 INCH 2000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

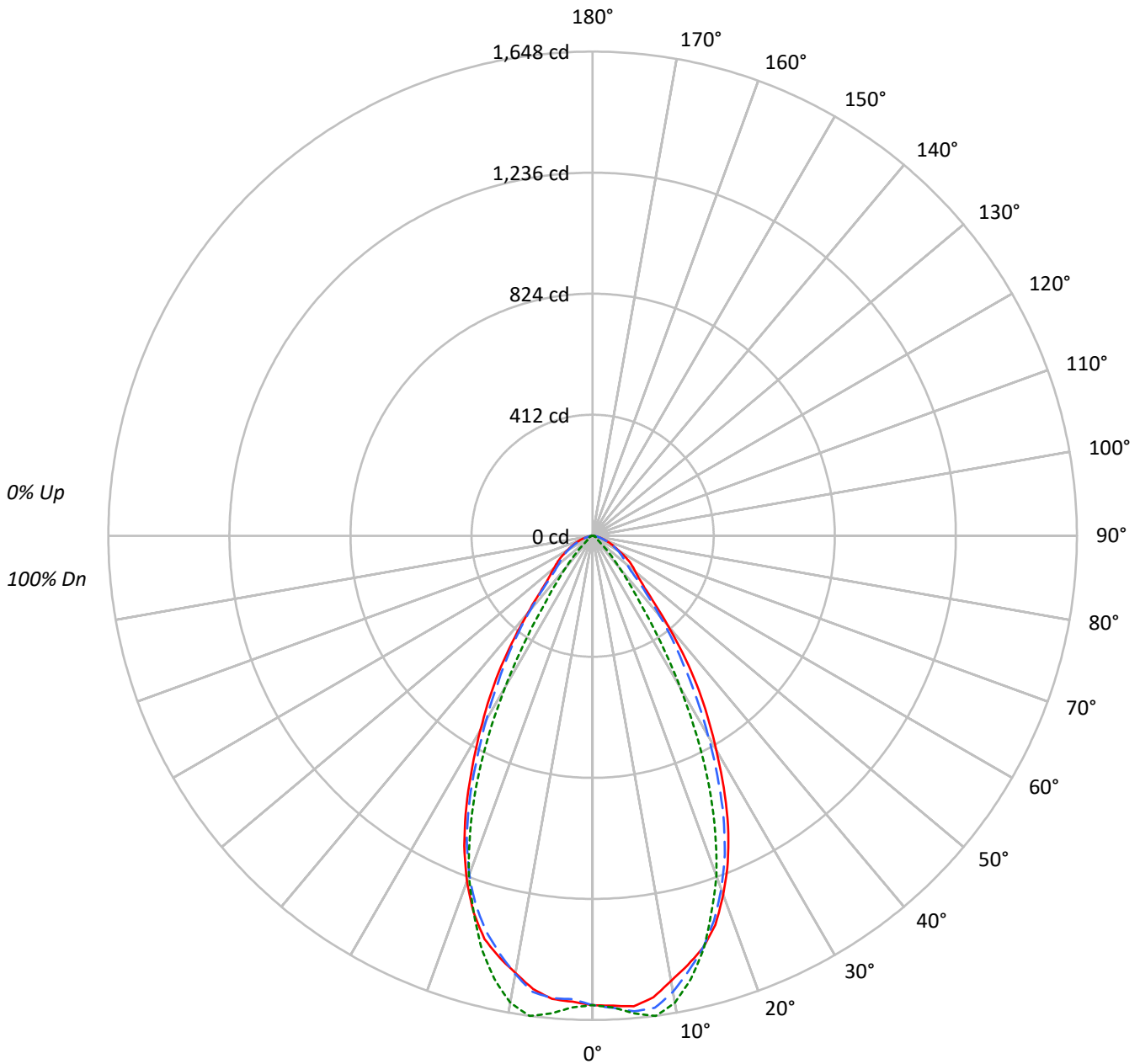
Lumens per Lamp: N/A
Luminaire Lumens: 1626.0 lumens
Efficiency: N/A
Efficacy: 74.6 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	87559	87559	87559
5°	88471	89814	87084
10°	85609	89811	84111
15°	82390	82713	80642
20°	75828	71850	72987
25°	65992	56659	61473
30°	53223	37645	48286
35°	41265	19408	36266
40°	28310	10055	24417
45°	19397	5039	17134
50°	16144	2149	14686
55°	14518	1864	13123
60°	11490	1776	10953
65°	9482	1583	9378
70°	7678	1427	7678
75°	5676	1546	6015
80°	3346	1294	3599
85°	2579	1510	2579



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.0	9.4
10°-20°	399.0	24.5
20°-30°	455.5	28.0
30°-40°	302.1	18.6
40°-50°	145.7	9.0
50°-60°	89.6	5.5
60°-70°	54.2	3.3
70°-80°	22.8	1.4
80°-90°	5.0	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°	1006.6	61.9
0°-40°	1308.6	80.5
0°-60°	1543.9	95.0
0°-90°	1626.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1626.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1597	1597	1597	1597	1597	
5°	1608	1625	1632	1580	1582	151
15°	1452	1452	1457	1396	1421	405
25°	1091	1054	937	991	1016	495
35°	617	544	290	507	542	381
45°	250	219	65	205	221	204
55°	152	124	20	124	137	134
65°	73	70	12	66	72	73
75°	27	27	7	25	28	29
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°	1597.2	1597.2	1597.2	1597.2	1597.2	1597.2	1597.2	1597.2	1597.2
2.5°	1601.2	1603.7	1608.5	1609.3	1606.9	1591.5	1578.5	1583.4	1587.4
5°	1607.7	1612.6	1624.8	1636.2	1632.1	1606.1	1580.1	1579.3	1582.5
7.5°	1584.2	1595.5	1620.7	1649.2	1648.3	1603.7	1565.5	1555.7	1555.7
10°	1537.9	1548.4	1576.0	1614.2	1613.4	1557.4	1515.1	1510.2	1511.0
12.5°	1496.4	1501.3	1515.1	1545.2	1545.2	1489.9	1457.4	1462.3	1468.8
15°	1451.7	1455.0	1451.7	1461.5	1457.4	1411.9	1395.7	1411.1	1420.9
17.5°	1388.4	1390.0	1372.9	1359.9	1344.5	1316.1	1320.1	1342.9	1345.3
20°	1299.8	1310.4	1279.5	1246.2	1231.6	1204.8	1227.5	1252.7	1251.1
22.5°	1202.3	1214.5	1174.7	1119.5	1089.4	1078.9	1119.5	1142.2	1141.4
25°	1091.0	1100.0	1054.5	977.3	936.7	935.1	991.1	1014.7	1016.3
27.5°	965.9	969.2	918.0	817.3	766.9	779.1	849.8	882.3	886.3
30°	840.8	839.2	786.4	661.3	594.7	628.0	723.0	758.8	762.8
32.5°	726.3	721.4	661.3	511.8	432.2	481.7	606.9	644.2	650.7
35°	616.6	608.5	543.5	378.6	290.0	364.0	506.9	539.4	541.9
37.5°	502.1	498.0	446.8	283.5	202.3	276.2	413.5	437.1	434.6
40°	395.6	395.6	353.4	210.4	140.5	205.5	327.4	348.5	341.2
42.5°	310.3	314.4	278.7	155.2	99.9	152.7	259.2	278.7	270.5
45°	250.2	250.2	219.3	115.4	65.0	113.7	204.7	222.6	221.0
47.5°	212.0	208.8	177.9	84.5	35.7	85.3	172.2	194.2	193.3
50°	189.3	184.4	152.7	66.6	25.2	70.7	151.1	171.4	172.2
52.5°	171.4	164.1	137.3	59.3	21.9	61.7	137.3	153.5	153.5
55°	151.9	147.9	123.5	52.8	19.5	55.2	123.5	138.1	137.3
57.5°	128.4	127.5	110.5	47.9	17.9	48.7	110.5	119.4	116.2
60°	104.8	108.0	95.9	43.1	16.2	43.9	94.2	101.5	99.9
62.5°	87.7	91.8	83.7	38.2	13.8	39.0	79.6	86.9	85.3
65°	73.1	76.4	69.9	32.5	12.2	32.5	65.8	72.3	72.3
67.5°	60.1	62.6	57.7	26.8	10.6	26.8	53.6	59.3	60.1
70°	47.9	49.6	45.5	21.1	8.9	21.9	42.2	47.9	47.9
72.5°	37.4	38.2	35.7	17.1	8.1	17.1	32.5	37.4	37.4
75°	26.8	28.4	26.8	13.0	7.3	13.0	25.2	27.6	28.4
77.5°	15.4	19.5	19.5	10.6	5.7	9.7	17.9	18.7	18.7
80°	10.6	12.2	13.8	7.3	4.1	7.3	11.4	12.2	11.4
82.5°	7.3	8.1	8.1	4.9	3.2	4.9	7.3	8.1	7.3
85°	4.1	5.7	5.7	4.1	2.4	3.2	4.1	4.9	4.1
87.5°	2.4	3.2	4.1	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)