

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: P799412

Luminaire Tested: **LD6C20D010 EU6209027 6LBMDDWGPB**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799412
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 EU6209027 6LBMDDWGPH
Description: 6 INCH 2000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBMDDW TRIM WITH GPH FINISH
Light Source: -
Ballast/Driver: -

Summary

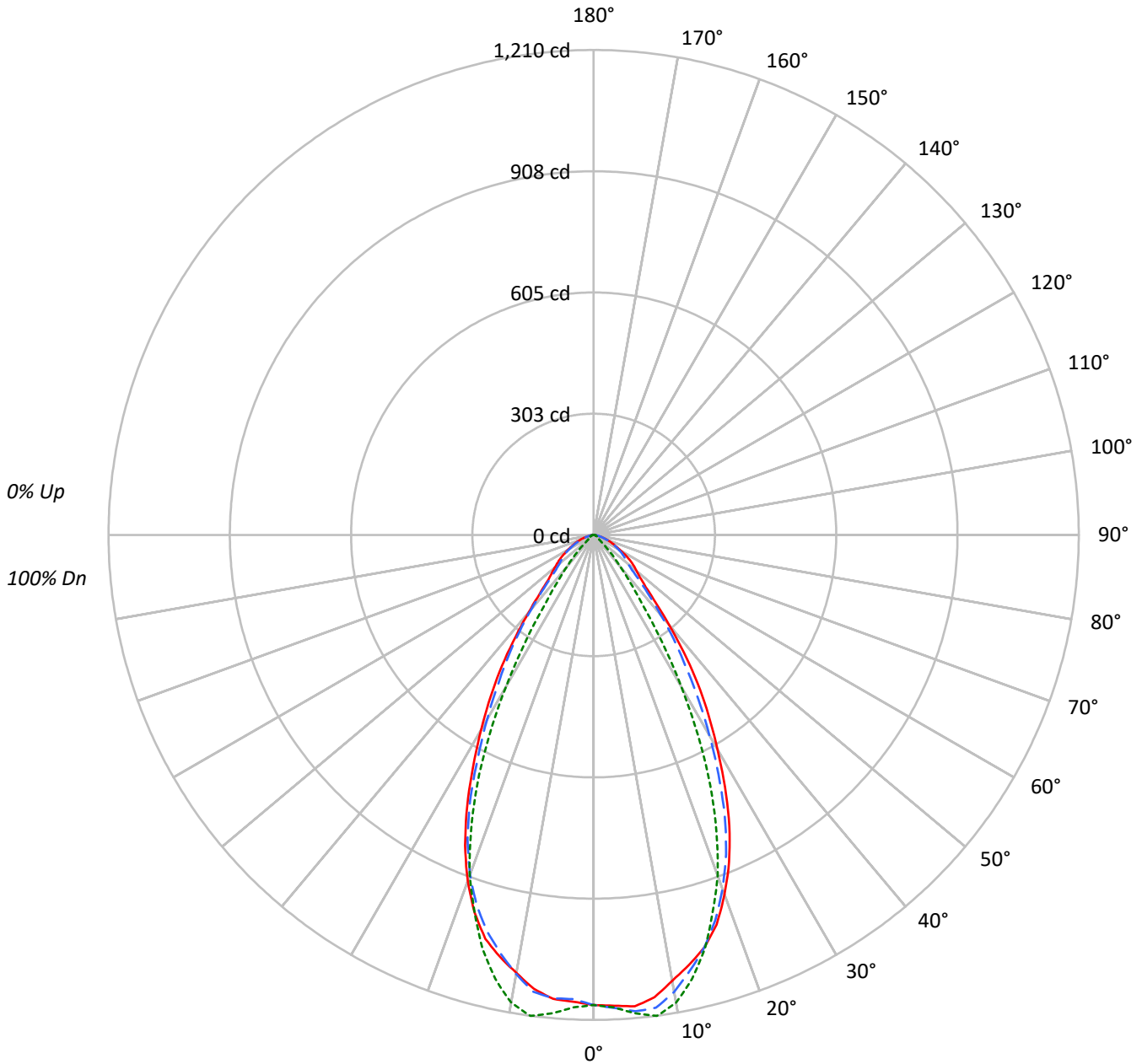
Lumens per Lamp: N/A
Luminaire Lumens: 1194.0 lumens
Efficiency: N/A
Efficacy: 54.8 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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					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°	64293	64293	64293
5°	64968	65953	63950
10°	62863	65953	61767
15°	60500	60738	59217
20°	55684	52761	53595
25°	48462	41603	45142
30°	39082	27643	35461
35°	30303	14255	26629
40°	20789	7385	17934
45°	14242	3698	12583
50°	11855	1578	10789
55°	10666	1367	9634
60°	8442	1305	8048
65°	6966	1154	6888
70°	5642	1058	5642
75°	4173	1144	4427
80°	2462	947	2652
85°	1887	1132	1887



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.6	9.4
10°-20°	293.0	24.5
20°-30°	334.5	28.0
30°-40°	221.8	18.6
40°-50°	107.0	9.0
50°-60°	65.8	5.5
60°-70°	39.8	3.3
70°-80°	16.8	1.4
80°-90°	3.7	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°	739.1	61.9
0°-40°	960.9	80.5
0°-60°	1133.7	95.0
0°-90°	1194.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1194.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1173	1173	1173	1173	1173	
5°	1181	1193	1198	1160	1162	111
15°	1066	1066	1070	1025	1043	297
25°	801	774	688	728	746	363
35°	453	399	213	372	398	280
45°	184	161	48	150	162	150
55°	112	91	14	91	101	98
65°	54	51	9	48	53	54
75°	20	20	5	18	21	21
85°	3	4	2	3	3	4
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°	1172.8	1172.8	1172.8	1172.8	1172.8	1172.8	1172.8	1172.8	1172.8
2.5°	1175.8	1177.6	1181.2	1181.8	1180.0	1168.6	1159.1	1162.7	1165.7
5°	1180.6	1184.2	1193.1	1201.5	1198.5	1179.4	1160.3	1159.7	1162.1
7.5°	1163.3	1171.6	1190.1	1211.0	1210.4	1177.6	1149.6	1142.4	1142.4
10°	1129.3	1137.0	1157.3	1185.4	1184.8	1143.6	1112.6	1109.0	1109.6
12.5°	1098.9	1102.4	1112.6	1134.6	1134.6	1094.1	1070.2	1073.8	1078.6
15°	1066.0	1068.4	1066.0	1073.2	1070.2	1036.8	1024.9	1036.2	1043.4
17.5°	1019.5	1020.7	1008.2	998.6	987.3	966.4	969.4	986.1	987.9
20°	954.5	962.2	939.6	915.1	904.4	884.7	901.4	919.9	918.7
22.5°	882.9	891.8	862.6	822.1	800.0	792.2	822.1	838.8	838.2
25°	801.2	807.7	774.3	717.7	687.8	686.6	727.8	745.1	746.3
27.5°	709.3	711.7	674.1	600.1	563.1	572.1	624.0	647.9	650.8
30°	617.4	616.2	577.5	485.6	436.7	461.1	530.9	557.2	560.2
32.5°	533.3	529.7	485.6	375.8	317.4	353.8	445.6	473.1	477.8
35°	452.8	446.8	399.1	278.0	213.0	267.3	372.2	396.1	397.9
37.5°	368.7	365.7	328.1	208.2	148.5	202.8	303.6	320.9	319.2
40°	290.5	290.5	259.5	154.5	103.2	150.9	240.4	255.9	250.6
42.5°	227.9	230.9	204.6	113.9	73.4	112.2	190.3	204.6	198.7
45°	183.7	183.7	161.1	84.7	47.7	83.5	150.3	163.5	162.3
47.5°	155.7	153.3	130.6	62.0	26.2	62.6	126.5	142.6	142.0
50°	139.0	135.4	112.2	48.9	18.5	51.9	111.0	125.9	126.5
52.5°	125.9	120.5	100.8	43.5	16.1	45.3	100.8	112.7	112.7
55°	111.6	108.6	90.7	38.8	14.3	40.6	90.7	101.4	100.8
57.5°	94.3	93.7	81.1	35.2	13.1	35.8	81.1	87.7	85.3
60°	77.0	79.3	70.4	31.6	11.9	32.2	69.2	74.6	73.4
62.5°	64.4	67.4	61.4	28.0	10.1	28.6	58.5	63.8	62.6
65°	53.7	56.1	51.3	23.9	8.9	23.9	48.3	53.1	53.1
67.5°	44.1	45.9	42.4	19.7	7.8	19.7	39.4	43.5	44.1
70°	35.2	36.4	33.4	15.5	6.6	16.1	31.0	35.2	35.2
72.5°	27.4	28.0	26.2	12.5	6.0	12.5	23.9	27.4	27.4
75°	19.7	20.9	19.7	9.5	5.4	9.5	18.5	20.3	20.9
77.5°	11.3	14.3	14.3	7.8	4.2	7.2	13.1	13.7	13.7
80°	7.8	8.9	10.1	5.4	3.0	5.4	8.4	8.9	8.4
82.5°	5.4	6.0	6.0	3.6	2.4	3.6	5.4	6.0	5.4
85°	3.0	4.2	4.2	3.0	1.8	2.4	3.0	3.6	3.0
87.5°	1.8	2.4	3.0	2.4	1.8	1.8	1.8	1.8	1.2
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)