

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: P799454

Luminaire Tested: **LD6C20D010 EU6209040 6LBMDSWGPH**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799454
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: LD6C20D010 EU6209040 6LBMDSWGPH
Description: 6 INCH 2000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH GPH FINISH
Light Source: -
Ballast/Driver: -

Summary

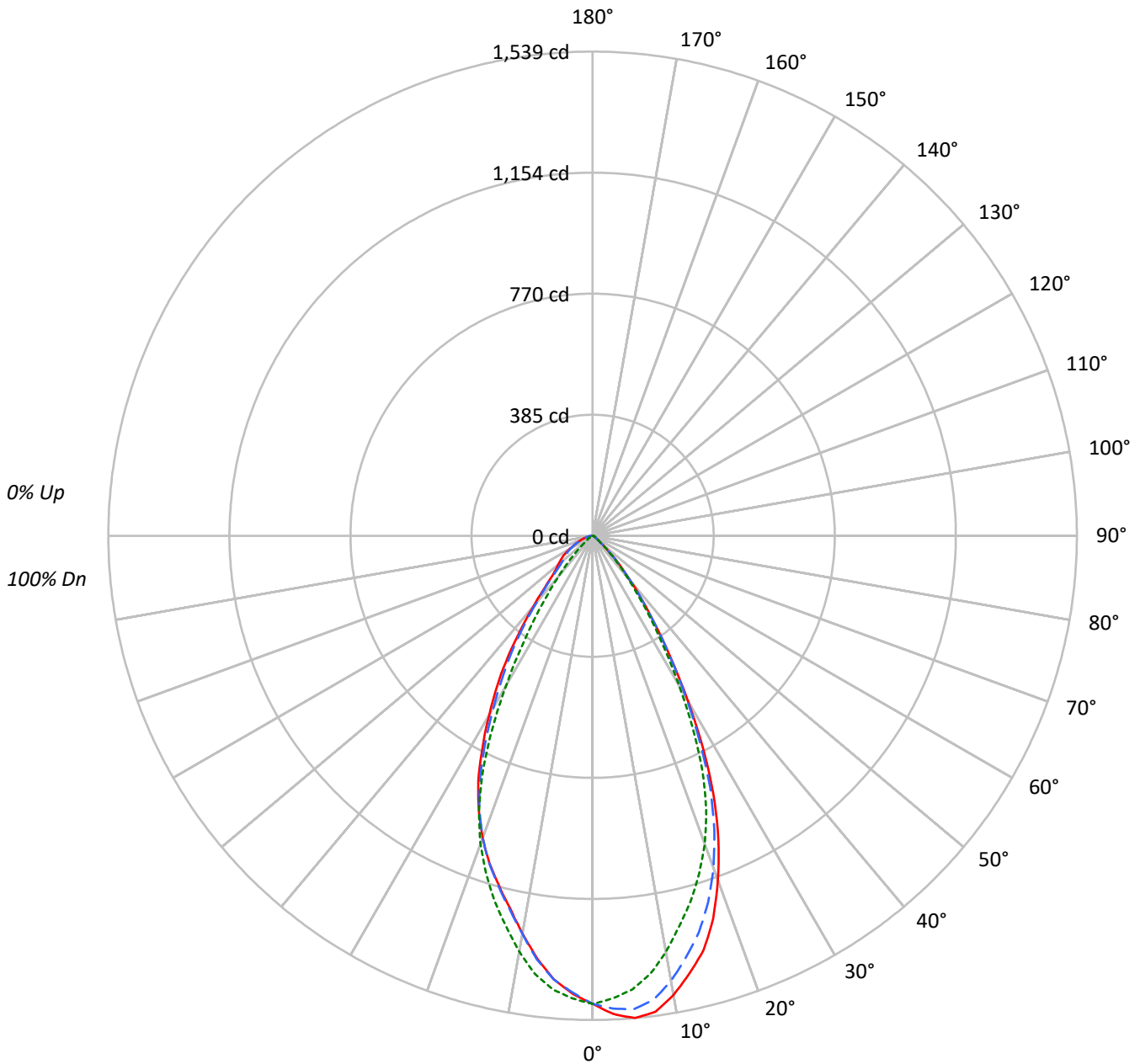
Lumens per Lamp: N/A
Luminaire Lumens: 1281.0 lumens
Efficiency: N/A
Efficacy: 58.8 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92																			
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85																			
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78																			
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	80	77	74	73																			
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67																			
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63																			
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59																			
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55																			
9	74	64	58	54	73	63	57	54	62	57	53	61	57	53	61	56	53	52																			
10	70	60	54	50	69	60	54	50	59	54	50	58	53	50	58	53	50	49																			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	81567	81567	81567
5°	84669	79650	77850
10°	82502	74715	71425
15°	77373	68269	65318
20°	67929	60777	59616
25°	54941	49932	51989
30°	38196	34778	41608
35°	23537	21308	31400
40°	13318	11944	20853
45°	6466	6171	14234
50°	2465	2465	12102
55°	1348	1596	11163
60°	987	1272	9144
65°	830	1077	7498
70°	721	930	6171
75°	678	953	5295
80°	410	821	3852
85°	377	1635	3648



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.2	10.6
10°-20°	342.3	26.7
20°-30°	385.4	30.1
30°-40°	238.6	18.6
40°-50°	95.0	7.4
50°-60°	43.3	3.4
60°-70°	24.9	1.9
70°-80°	11.8	0.9
80°-90°	3.4	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°	863.9	67.4
0°-40°	1102.6	86.1
0°-60°	1240.9	96.9
0°-90°	1281.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1281.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1488	1488	1488	1488	1488	
5°	1539	1510	1447	1416	1415	145
15°	1363	1304	1203	1154	1151	377
25°	908	884	826	846	860	408
35°	352	350	318	444	469	226
45°	83	83	80	173	184	71
55°	14	14	17	103	117	14
65°	6	6	8	57	58	6
75°	3	3	4	24	25	3
85°	1	1	3	6	6	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°	1487.9	1487.9	1487.9	1487.9	1487.9	1487.9	1487.9	1487.9	1487.9
2.5°	1521.9	1507.8	1504.6	1492.4	1471.8	1460.3	1453.2	1448.1	1457.1
5°	1538.6	1523.2	1510.3	1485.3	1447.4	1426.2	1416.0	1407.6	1414.7
7.5°	1526.4	1504.6	1487.2	1452.6	1404.4	1371.7	1357.6	1347.9	1354.4
10°	1482.1	1455.8	1435.9	1394.8	1342.2	1303.0	1285.7	1276.7	1283.1
12.5°	1424.3	1402.5	1372.3	1327.4	1270.9	1229.8	1217.0	1209.9	1212.5
15°	1363.3	1337.7	1304.3	1259.4	1202.9	1161.8	1154.1	1149.6	1150.9
17.5°	1274.8	1249.7	1220.8	1177.2	1125.2	1091.8	1091.8	1088.6	1090.5
20°	1164.4	1150.9	1122.6	1086.1	1041.8	1011.6	1021.2	1018.0	1021.9
22.5°	1045.0	1034.7	1010.3	980.1	942.9	919.2	940.3	939.7	944.8
25°	908.3	900.5	883.9	858.2	825.5	810.7	846.0	846.0	859.5
27.5°	757.4	749.7	738.2	716.3	689.4	684.9	736.9	743.3	758.1
30°	603.4	598.2	591.8	571.9	549.4	557.8	629.7	640.6	657.3
32.5°	466.0	462.8	460.9	442.9	423.0	450.6	532.8	546.9	563.6
35°	351.7	344.7	349.8	336.3	318.4	353.0	443.5	455.7	469.2
37.5°	259.3	254.2	258.7	249.0	233.0	270.9	356.2	363.9	372.9
40°	186.1	181.7	185.5	179.7	166.9	202.2	279.2	287.6	291.4
42.5°	132.2	124.5	128.4	123.9	117.5	152.1	219.5	227.2	228.5
45°	83.4	80.9	83.4	80.9	79.6	113.0	173.3	180.4	183.6
47.5°	50.7	47.5	47.5	46.2	47.5	83.4	143.1	153.4	158.5
50°	28.9	27.6	27.0	26.3	28.9	65.5	123.9	135.4	141.9
52.5°	19.3	18.6	18.6	18.0	21.2	55.2	111.7	122.0	128.4
55°	14.1	13.5	13.5	13.5	16.7	47.5	102.7	111.0	116.8
57.5°	10.9	10.9	10.9	10.3	14.1	40.4	91.8	96.3	100.8
60°	9.0	8.3	8.3	8.3	11.6	34.7	79.0	80.9	83.4
62.5°	7.1	7.1	7.1	7.1	9.6	30.8	68.0	68.0	69.3
65°	6.4	5.8	5.8	5.8	8.3	27.0	57.1	56.5	57.8
67.5°	5.1	5.1	5.1	5.1	7.1	23.1	46.9	46.2	47.5
70°	4.5	4.5	4.5	4.5	5.8	19.3	37.9	37.2	38.5
72.5°	3.9	3.9	3.9	3.9	5.1	16.0	30.2	30.2	30.8
75°	3.2	3.2	3.2	3.2	4.5	12.2	24.4	24.4	25.0
77.5°	2.6	2.6	2.6	2.6	3.2	9.6	18.6	18.0	18.0
80°	1.3	1.9	1.9	1.9	2.6	7.1	13.5	12.2	12.2
82.5°	0.6	1.3	1.3	1.3	2.6	5.1	9.0	8.3	8.3
85°	0.6	0.6	0.6	1.9	2.6	3.9	5.8	5.8	5.8
87.5°	0.0	0.6	1.3	2.6	3.2	3.2	3.9	3.2	3.2
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)