

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: P799436

Luminaire Tested: **LD6C20D010 EU6209035 6LBMDDWGPB**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799436
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 6LBMDDWGPH
Description: 6 INCH 2000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBMDDW TRIM WITH GPH FINISH
Light Source: -
Ballast/Driver: -

Summary

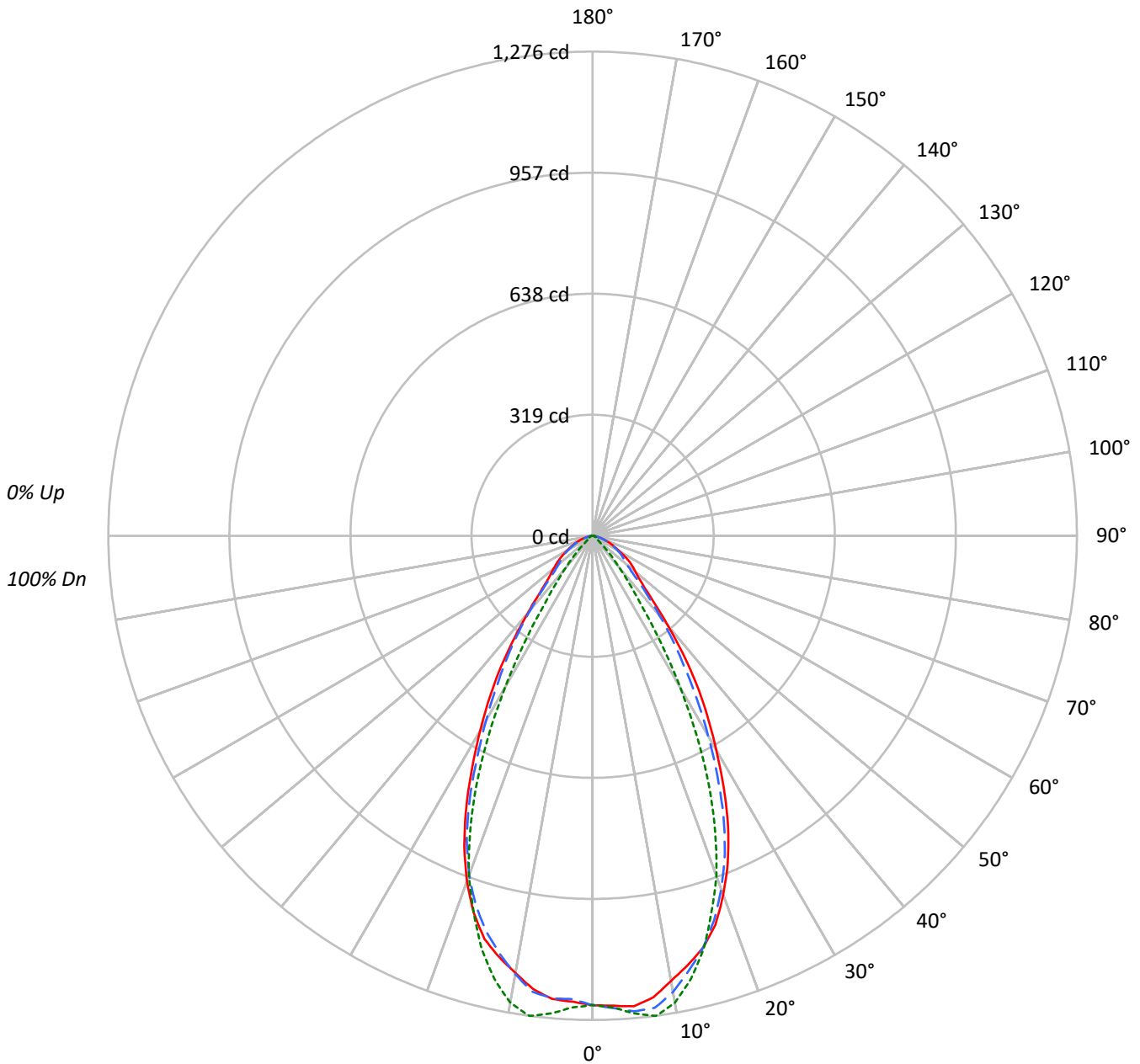
Lumens per Lamp: N/A
Luminaire Lumens: 1259.0 lumens
Efficiency: N/A
Efficacy: 57.8 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 21.8
Input Voltage (V): NR
Input Current (Ain): 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				100				
1	112	109	106	104	110	107	105	102	103	101	99	99	98	96	96	94	93	91				91				
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83				83				
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76				76				
4	94	85	79	74	92	84	78	74	82	77	73	80	76	72	78	74	71	70				70				
5	89	79	73	68	87	78	72	68	76	71	67	75	70	66	73	69	66	64				64				
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59				59				
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	55				55				
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51				51				
9	71	61	55	50	70	60	54	50	59	54	50	58	53	50	58	53	50	48				48				
10	68	57	51	47	67	57	51	47	56	51	47	55	50	47	55	50	47	45				45				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	67796	67796	67796
5°	68501	69541	67428
10°	66287	69543	65129
15°	63797	64047	62441
20°	58712	55632	56512
25°	51100	43871	47598
30°	41209	29144	37392
35°	31949	15031	28081
40°	21920	7786	18907
45°	15017	3900	13265
50°	12503	1663	11377
55°	11240	1443	10160
60°	8892	1381	8486
65°	7342	1219	7264
70°	5947	1106	5947
75°	4406	1207	4660
80°	2589	979	2778
85°	1950	1195	1950



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.7	9.4
10°-20°	309.0	24.5
20°-30°	352.7	28.0
30°-40°	233.9	18.6
40°-50°	112.8	9.0
50°-60°	69.4	5.5
60°-70°	42.0	3.3
70°-80°	17.7	1.4
80°-90°	3.9	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°	779.4	61.9
0°-40°	1013.2	80.5
0°-60°	1195.4	95.0
0°-90°	1259.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1259.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1237	1237	1237	1237	1237	
5°	1245	1258	1264	1224	1225	117
15°	1124	1124	1128	1081	1100	313
25°	845	816	725	767	787	383
35°	477	421	225	392	420	295
45°	194	170	50	158	171	158
55°	118	96	15	96	106	103
65°	57	54	9	51	56	57
75°	21	21	6	20	22	22
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°	1236.7	1236.7	1236.7	1236.7	1236.7	1236.7	1236.7	1236.7	1236.7
2.5°	1239.8	1241.7	1245.5	1246.1	1244.2	1232.3	1222.2	1226.0	1229.1
5°	1244.8	1248.6	1258.1	1266.9	1263.7	1243.6	1223.5	1222.8	1225.3
7.5°	1226.6	1235.4	1254.9	1276.9	1276.3	1241.7	1212.1	1204.6	1204.6
10°	1190.8	1198.9	1220.3	1249.9	1249.3	1205.8	1173.1	1169.4	1170.0
12.5°	1158.7	1162.4	1173.1	1196.4	1196.4	1153.6	1128.5	1132.3	1137.3
15°	1124.1	1126.6	1124.1	1131.6	1128.5	1093.3	1080.7	1092.6	1100.2
17.5°	1075.0	1076.3	1063.1	1053.0	1041.0	1019.0	1022.2	1039.8	1041.7
20°	1006.4	1014.6	990.7	964.9	953.6	932.8	950.5	970.0	968.7
22.5°	931.0	940.4	909.6	866.8	843.5	835.4	866.8	884.4	883.8
25°	844.8	851.7	816.5	756.7	725.3	724.0	767.4	785.7	786.9
27.5°	747.9	750.4	710.8	632.8	593.8	603.2	658.0	683.1	686.3
30°	651.0	649.8	608.9	512.0	460.4	486.2	559.8	587.5	590.7
32.5°	562.4	558.6	512.0	396.3	334.6	373.0	469.9	498.8	503.9
35°	477.4	471.1	420.8	293.1	224.6	281.8	392.5	417.7	419.6
37.5°	388.7	385.6	346.0	219.5	156.6	213.9	320.2	338.4	336.5
40°	306.3	306.3	273.6	162.9	108.8	159.1	253.5	269.9	264.2
42.5°	240.3	243.4	215.8	120.1	77.4	118.3	200.7	215.8	209.5
45°	193.7	193.7	169.8	89.3	50.3	88.1	158.5	172.4	171.1
47.5°	164.2	161.7	137.8	65.4	27.7	66.0	133.4	150.3	149.7
50°	146.6	142.8	118.3	51.6	19.5	54.7	117.0	132.7	133.4
52.5°	132.7	127.1	106.3	45.9	17.0	47.8	106.3	118.9	118.9
55°	117.6	114.5	95.6	40.9	15.1	42.8	95.6	106.9	106.3
57.5°	99.4	98.8	85.5	37.1	13.8	37.7	85.5	92.5	90.0
60°	81.1	83.7	74.2	33.3	12.6	34.0	73.0	78.6	77.4
62.5°	67.9	71.1	64.8	29.6	10.7	30.2	61.6	67.3	66.0
65°	56.6	59.1	54.1	25.2	9.4	25.2	51.0	56.0	56.0
67.5°	46.5	48.4	44.7	20.8	8.2	20.8	41.5	45.9	46.5
70°	37.1	38.4	35.2	16.4	6.9	17.0	32.7	37.1	37.1
72.5°	28.9	29.6	27.7	13.2	6.3	13.2	25.2	28.9	28.9
75°	20.8	22.0	20.8	10.1	5.7	10.1	19.5	21.4	22.0
77.5°	12.0	15.1	15.1	8.2	4.4	7.5	13.8	14.5	14.5
80°	8.2	9.4	10.7	5.7	3.1	5.7	8.8	9.4	8.8
82.5°	5.7	6.3	6.3	3.8	2.5	3.8	5.7	6.3	5.7
85°	3.1	4.4	4.4	3.1	1.9	2.5	3.1	3.8	3.1
87.5°	1.9	2.5	3.1	2.5	1.9	1.9	1.9	1.9	1.3
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)