

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: P799574

Luminaire Tested: **LD6C30D010 EU6309040 6LBMDSWGPH**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799574
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: LD6C30D010 EU6309040 6LBMDSWGPH
Description: 6 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH GPH FINISH
Light Source: -
Ballast/Driver: -

Summary

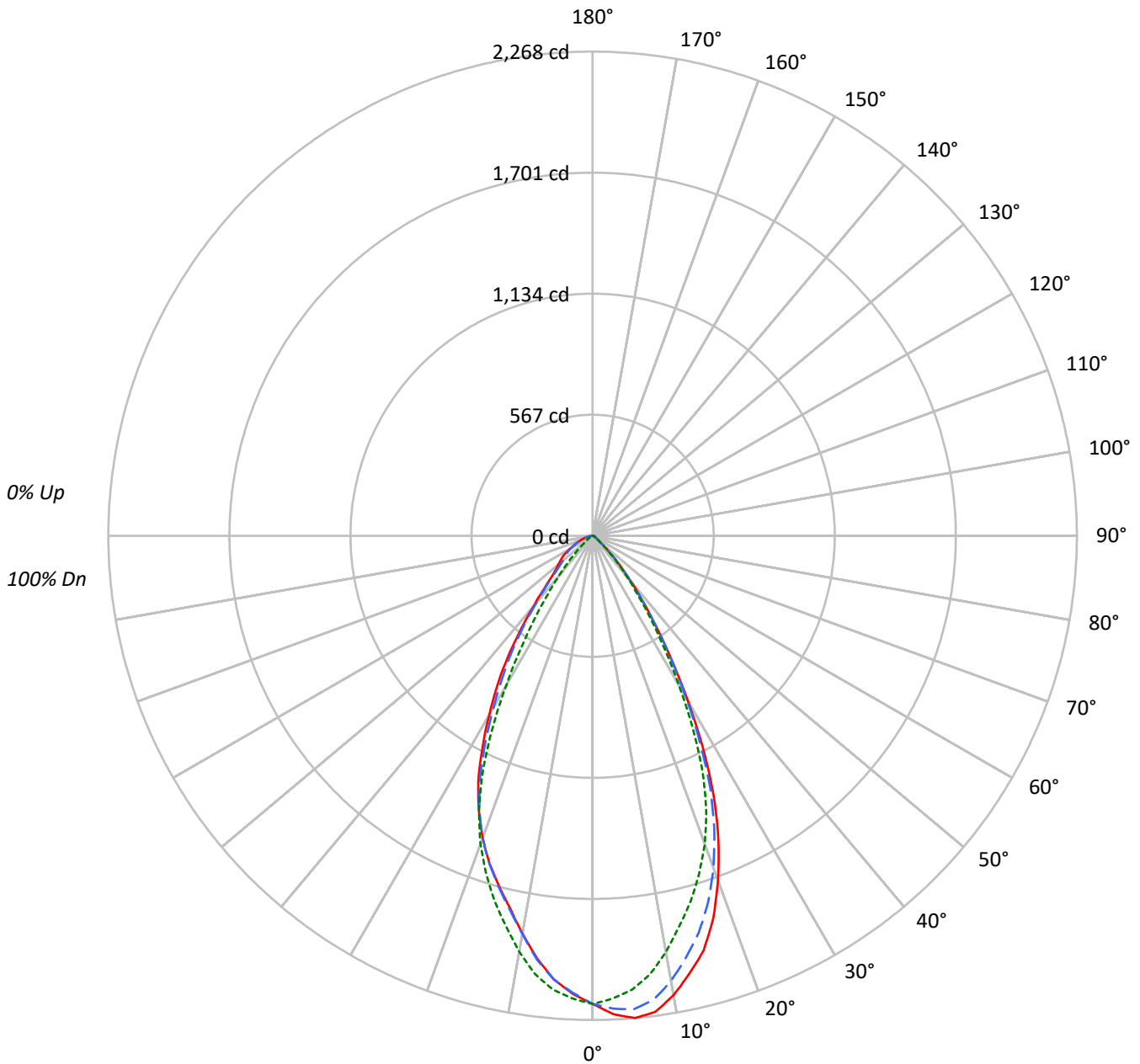
Lumens per Lamp: N/A
Luminaire Lumens: 1888.0 lumens
Efficiency: N/A
Efficacy: 59.7 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 31.6
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	58	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°	120215	120215	120215
5°	124785	117395	114737
10°	121597	110113	105270
15°	114042	100619	96266
20°	100115	89573	87863
25°	80968	73589	76619
30°	56293	51261	61320
35°	34693	31400	46277
40°	19630	17604	30736
45°	9536	9094	20979
50°	3633	3633	17833
55°	1988	2351	16458
60°	1447	1864	13486
65°	1232	1596	11039
70°	1058	1362	9104
75°	996	1398	7816
80°	600	1200	5683
85°	566	2390	5346



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	200.8	10.6
10°-20°	504.6	26.7
20°-30°	568.0	30.1
30°-40°	351.7	18.6
40°-50°	140.1	7.4
50°-60°	63.8	3.4
60°-70°	36.7	1.9
70°-80°	17.4	0.9
80°-90°	5.1	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°	1273.3	67.4
0°-40°	1625.0	86.1
0°-60°	1828.9	96.9
0°-90°	1888.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1888.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2193	2193	2193	2193	2193	
5°	2268	2226	2133	2087	2085	214
15°	2009	1922	1773	1701	1696	556
25°	1339	1303	1217	1247	1267	602
35°	518	516	469	654	692	333
45°	123	123	117	255	271	104
55°	21	20	25	151	172	21
65°	10	8	12	84	85	9
75°	5	5	7	36	37	5
85°	1	1	4	8	8	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°	2192.9	2192.9	2192.9	2192.9	2192.9	2192.9	2192.9	2192.9	2192.9
2.5°	2243.0	2222.2	2217.5	2199.5	2169.2	2152.2	2141.8	2134.2	2147.5
5°	2267.6	2244.9	2226.0	2189.1	2133.3	2102.1	2086.9	2074.6	2085.0
7.5°	2249.6	2217.5	2191.9	2140.9	2069.9	2021.7	2000.8	1986.7	1996.1
10°	2184.4	2145.6	2116.3	2055.7	1978.1	1920.4	1894.9	1881.6	1891.1
12.5°	2099.2	2067.1	2022.6	1956.4	1873.1	1812.6	1793.7	1783.3	1787.0
15°	2009.4	1971.5	1922.3	1856.1	1772.9	1712.3	1701.0	1694.3	1696.2
17.5°	1878.8	1841.9	1799.3	1735.0	1658.4	1609.2	1609.2	1604.5	1607.3
20°	1716.1	1696.2	1654.6	1600.7	1535.4	1490.9	1505.1	1500.4	1506.1
22.5°	1540.1	1525.0	1489.0	1444.6	1389.7	1354.7	1385.9	1385.0	1392.6
25°	1338.6	1327.3	1302.7	1264.8	1216.6	1194.8	1246.9	1246.9	1266.7
27.5°	1116.3	1105.0	1087.9	1055.8	1016.0	1009.4	1086.0	1095.5	1117.3
30°	889.3	881.7	872.2	842.9	809.8	822.1	928.1	944.1	968.7
32.5°	686.8	682.1	679.2	652.8	623.4	664.1	785.2	806.0	830.6
35°	518.4	508.0	515.6	495.7	469.2	520.3	653.7	671.7	691.5
37.5°	382.2	374.6	381.2	367.1	343.4	399.2	525.0	536.4	549.6
40°	274.3	267.7	273.4	264.9	246.0	298.0	411.5	423.8	429.5
42.5°	194.9	183.5	189.2	182.6	173.1	224.2	323.5	334.9	336.8
45°	123.0	119.2	123.0	119.2	117.3	166.5	255.4	265.8	270.6
47.5°	74.7	70.0	70.0	68.1	70.0	123.0	211.0	226.1	233.7
50°	42.6	40.7	39.7	38.8	42.6	96.5	182.6	199.6	209.1
52.5°	28.4	27.4	27.4	26.5	31.2	81.4	164.6	179.7	189.2
55°	20.8	19.9	19.9	19.9	24.6	70.0	151.4	163.7	172.2
57.5°	16.1	16.1	16.1	15.1	20.8	59.6	135.3	141.9	148.5
60°	13.2	12.3	12.3	12.3	17.0	51.1	116.4	119.2	123.0
62.5°	10.4	10.4	10.4	10.4	14.2	45.4	100.3	100.3	102.2
65°	9.5	8.5	8.5	8.5	12.3	39.7	84.2	83.3	85.1
67.5°	7.6	7.6	7.6	7.6	10.4	34.1	69.1	68.1	70.0
70°	6.6	6.6	6.6	6.6	8.5	28.4	55.8	54.9	56.8
72.5°	5.7	5.7	5.7	5.7	7.6	23.7	44.5	44.5	45.4
75°	4.7	4.7	4.7	4.7	6.6	18.0	35.9	35.9	36.9
77.5°	3.8	3.8	3.8	3.8	4.7	14.2	27.4	26.5	26.5
80°	1.9	2.8	2.8	2.8	3.8	10.4	19.9	18.0	18.0
82.5°	0.9	1.9	1.9	1.9	3.8	7.6	13.2	12.3	12.3
85°	0.9	0.9	0.9	2.8	3.8	5.7	8.5	8.5	8.5
87.5°	0.0	0.9	1.9	3.8	4.7	4.7	5.7	4.7	4.7
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)