

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: P799569

Luminaire Tested: **LD6C30D010 EU6309040 6LBMDDWH**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799569
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: LD6C30D010 EU6309040 6LBMDDWH
Description: 6 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

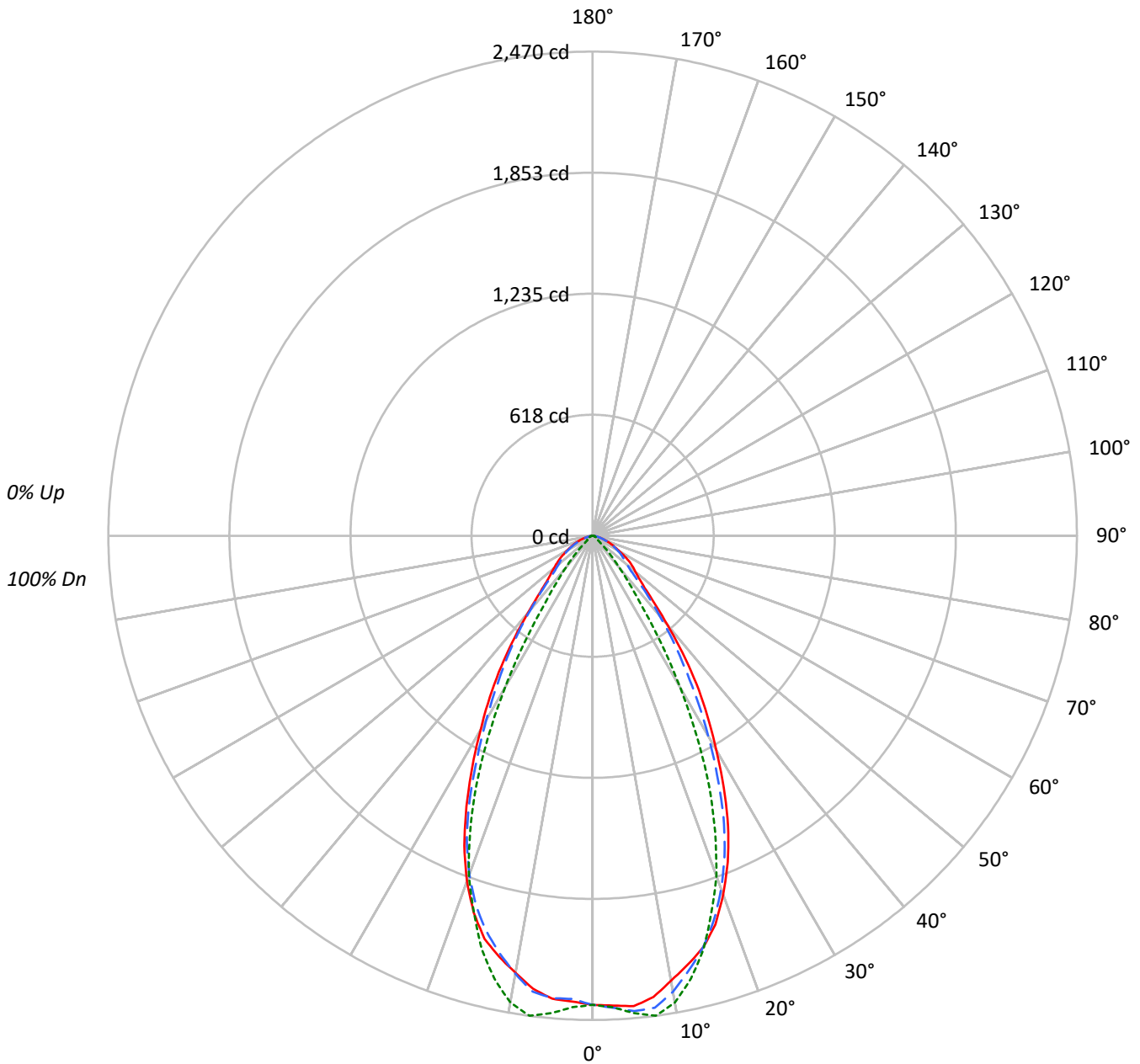
Lumens per Lamp: N/A
Luminaire Lumens: 2436.0 lumens
Efficiency: N/A
Efficacy: 77.1 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P799569

CATALOG NUMBER: LD6C30D010 EU6309040 6LBMDDWH

Luminous Intensity Polar Plot





TEST NUMBER: P799569

CATALOG NUMBER: LD6C30D010 EU6309040 6LBMDDWH

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	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°	131174	131174	131174
5°	132544	134553	130470
10°	128249	134550	126016
15°	123434	123922	120812
20°	113602	107640	109344
25°	98867	84882	92098
30°	79740	56395	72340
35°	61824	29078	54328
40°	42415	15071	36583
45°	29065	7551	25662
50°	24187	3215	22004
55°	21753	2791	19660
60°	17214	2664	16413
65°	14204	2374	14048
70°	11508	2148	11508
75°	8515	2330	9023
80°	4988	1926	5367
85°	3837	2327	3837



TEST NUMBER: P799569

CATALOG NUMBER: LD6C30D010 EU6309040 6LBMDDWH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	227.8	9.3
10°-20°	597.8	24.5
20°-30°	682.4	28.0
30°-40°	452.5	18.6
40°-50°	218.3	9.0
50°-60°	134.3	5.5
60°-70°	81.2	3.3
70°-80°	34.2	1.4
80°-90°	7.6	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°	1508.0	61.9
0°-40°	1960.5	80.5
0°-60°	2313.0	95.0
0°-90°	2436.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2436.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2393	2393	2393	2393	2393	
5°	2409	2434	2445	2367	2371	226
15°	2175	2175	2184	2091	2129	606
25°	1634	1580	1403	1485	1523	741
35°	924	814	434	760	812	571
45°	375	329	97	307	331	306
55°	228	185	29	185	206	200
65°	110	105	18	99	108	110
75°	40	40	11	38	43	43
85°	6	8	4	6	6	8
90°	0	0	0	0	0	



TEST NUMBER: P799569

CATALOG NUMBER: LD6C30D010 EU6309040 6LBMDDWH

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	2392.8	2392.8	2392.8	2392.8	2392.8	2392.8	2392.8	2392.8	2392.8
2.5°	2398.9	2402.5	2409.8	2411.1	2407.4	2384.3	2364.8	2372.1	2378.2
5°	2408.6	2415.9	2434.2	2451.2	2445.1	2406.2	2367.2	2366.0	2370.9
7.5°	2373.3	2390.4	2428.1	2470.7	2469.5	2402.5	2345.3	2330.7	2330.7
10°	2303.9	2319.8	2361.2	2418.4	2417.1	2333.2	2269.9	2262.6	2263.8
12.5°	2241.9	2249.2	2269.9	2314.9	2314.9	2232.1	2183.5	2190.8	2200.5
15°	2174.9	2179.8	2174.9	2189.5	2183.5	2115.3	2091.0	2114.1	2128.7
17.5°	2080.0	2082.4	2056.9	2037.4	2014.3	1971.7	1977.8	2011.8	2015.5
20°	1947.3	1963.2	1916.9	1867.0	1845.1	1804.9	1839.0	1876.7	1874.3
22.5°	1801.3	1819.5	1759.9	1677.1	1632.1	1616.3	1677.1	1711.2	1710.0
25°	1634.5	1647.9	1579.8	1464.2	1403.3	1400.9	1484.8	1520.1	1522.6
27.5°	1447.1	1452.0	1375.3	1224.4	1148.9	1167.2	1273.1	1321.8	1327.8
30°	1259.7	1257.3	1178.1	990.7	890.9	940.8	1083.2	1136.8	1142.8
32.5°	1088.1	1080.8	990.7	766.8	647.5	721.7	909.2	965.2	974.9
35°	923.8	911.6	814.2	567.2	434.5	545.3	759.5	808.1	811.8
37.5°	752.2	746.1	669.4	424.8	303.1	413.8	619.5	654.8	651.1
40°	592.7	592.7	529.4	315.2	210.6	307.9	490.5	522.1	511.2
42.5°	464.9	471.0	417.5	232.5	149.7	228.8	388.3	417.5	405.3
45°	374.9	374.9	328.6	172.8	97.4	170.4	306.7	333.5	331.0
47.5°	317.7	312.8	266.5	126.6	53.6	127.8	258.0	290.9	289.7
50°	283.6	276.3	228.8	99.8	37.7	105.9	226.4	256.8	258.0
52.5°	256.8	245.9	205.7	88.8	32.9	92.5	205.7	230.0	230.0
55°	227.6	221.5	185.0	79.1	29.2	82.8	185.0	206.9	205.7
57.5°	192.3	191.1	165.5	71.8	26.8	73.0	165.5	178.9	174.0
60°	157.0	161.9	143.6	64.5	24.3	65.7	141.2	152.1	149.7
62.5°	131.4	137.5	125.4	57.2	20.7	58.4	119.3	130.2	127.8
65°	109.5	114.4	104.7	48.7	18.3	48.7	98.6	108.3	108.3
67.5°	90.1	93.7	86.4	40.2	15.8	40.2	80.3	88.8	90.1
70°	71.8	74.2	68.2	31.6	13.4	32.9	63.3	71.8	71.8
72.5°	56.0	57.2	53.6	25.6	12.2	25.6	48.7	56.0	56.0
75°	40.2	42.6	40.2	19.5	11.0	19.5	37.7	41.4	42.6
77.5°	23.1	29.2	29.2	15.8	8.5	14.6	26.8	28.0	28.0
80°	15.8	18.3	20.7	11.0	6.1	11.0	17.0	18.3	17.0
82.5°	11.0	12.2	12.2	7.3	4.9	7.3	11.0	12.2	11.0
85°	6.1	8.5	8.5	6.1	3.7	4.9	6.1	7.3	6.1
87.5°	3.7	4.9	6.1	4.9	3.7	3.7	3.7	3.7	2.4
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)