

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: PORTFOLIO

Report Number: P204109

Luminaire Tested: **LE_6B50D010R EC6B30509727 6LBNMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204109
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35319)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LE_6B50D010R EC6B30509727 6LBNMW1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
NARROW DISTRIBUTION WITH MATTE WHITE TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3444.6 lumens
Efficiency: N/A
Efficacy: 58.6 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.97
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

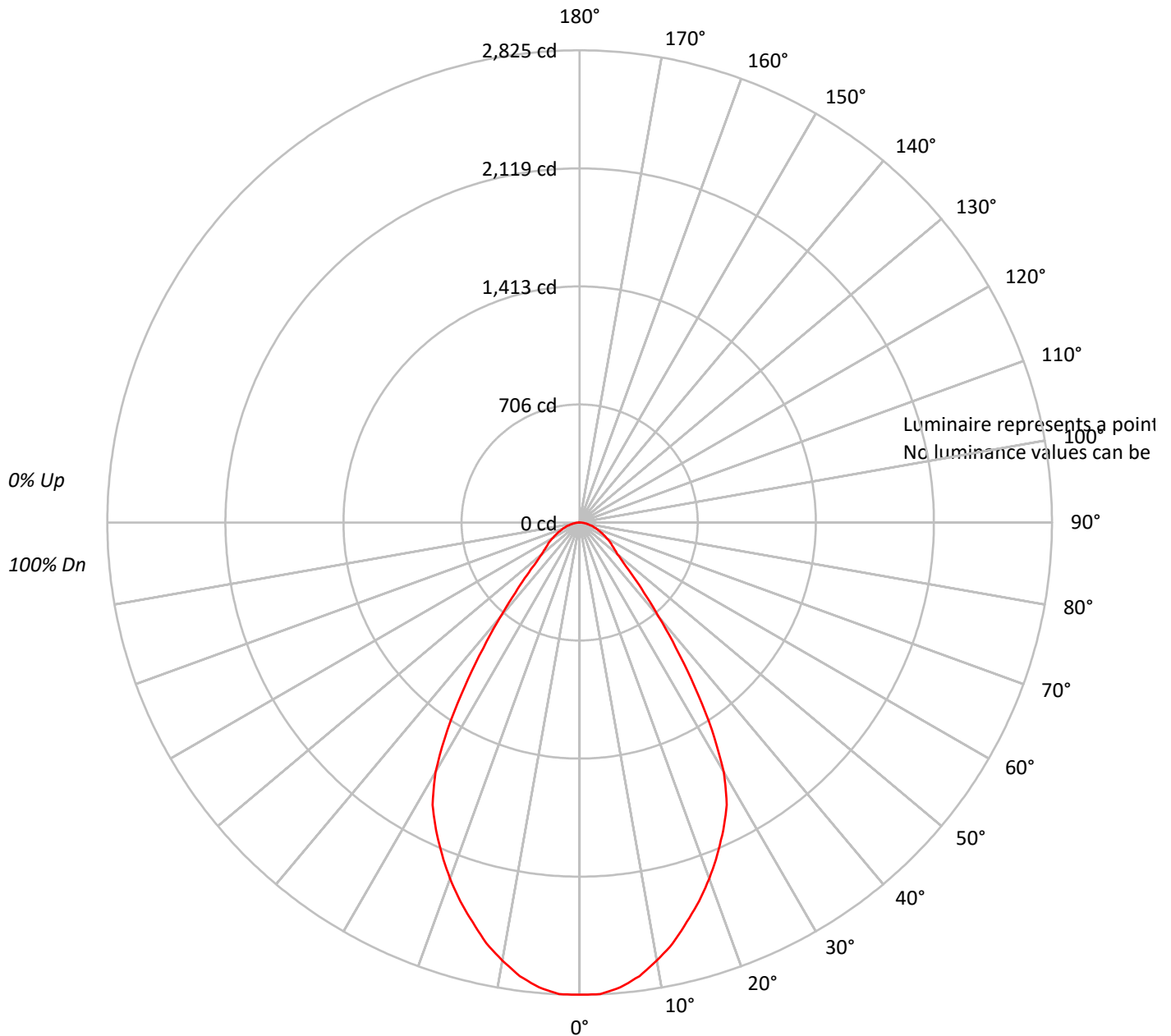
Input Watts (W): 58.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P204109

CATALOG NUMBER: LE_6B50D010R EC6B30509727 6LBNMW1

Luminous Intensity Polar Plot





TEST NUMBER: P204109

CATALOG NUMBER: LE_6B50D010R EC6B30509727 6LBNMW1

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20
RC	80					70					50					30					10
RW	70	50	30	10		70	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			100
1	112	108	105	103		109	106	103	101		102	100	98			98	97	95			90
2	105	99	94	90		102	97	92	89		94	90	87			91	87	85			81
3	98	90	84	79		96	89	83	79		86	81	77			84	80	76			73
4	92	83	76	71		90	82	76	71		80	74	70			77	73	69			66
5	87	77	70	64		85	76	69	64		74	68	64			72	67	63			61
6	81	71	64	59		80	70	63	59		68	63	58			67	62	58			56
7	77	66	59	54		75	65	59	54		64	58	54			63	57	53			51
8	72	61	55	50		71	61	54	50		60	54	49			59	53	49			47
9	69	58	51	46		67	57	51	46		56	50	46			55	50	46			44
10	65	54	47	43		64	54	47	43		53	47	43			52	46	43			41

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P204109

CATALOG NUMBER: LE_6B50D010R EC6B30509727 6LBNMW1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	262.3	7.6
10°-20°	695.3	20.2
20°-30°	928.3	26.9
30°-40°	748.9	21.7
40°-50°	358.9	10.4
50°-60°	212.7	6.2
60°-70°	141.4	4.1
70°-80°	75.8	2.2
80°-90°	20.9	0.6
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°	1885.9	54.7
0°-40°	2634.8	76.5
0°-60°	3206.5	93.1
0°-90°	3444.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3444.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2825	
5°	2792	262
15°	2474	695
25°	2031	928
35°	1199	749
45°	444	359
55°	235	213
65°	142	141
75°	71	76
85°	16	21
90°	0	



TEST NUMBER: P204109

CATALOG NUMBER: LE_6B50D010R EC6B30509727 6LBNMW1

CANDELA DISTRIBUTION (FULL):

0°	
0°	2824.9
2.5°	2824.9
5°	2792.1
7.5°	2737.4
10°	2660.6
12.5°	2578.5
15°	2474.5
17.5°	2376.0
20°	2266.5
22.5°	2151.5
25°	2031.1
27.5°	1905.1
30°	1724.5
32.5°	1472.6
35°	1199.0
37.5°	947.1
40°	733.6
42.5°	569.4
45°	443.5
47.5°	350.4
50°	295.6
52.5°	262.8
55°	235.4
57.5°	213.5
60°	186.1
62.5°	164.2
65°	142.4
67.5°	120.5
70°	104.0
72.5°	87.6
75°	71.1
77.5°	54.8
80°	43.8
82.5°	32.9
85°	16.4
87.5°	5.5
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)