

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: P204618

Luminaire Tested: **LE_6B50D010R EC6B30508050 6LBSMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204618
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 EC6B30508050 6LBSMW1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW 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: 7512.3 lumens
Efficiency: N/A
Efficacy: 127.8 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

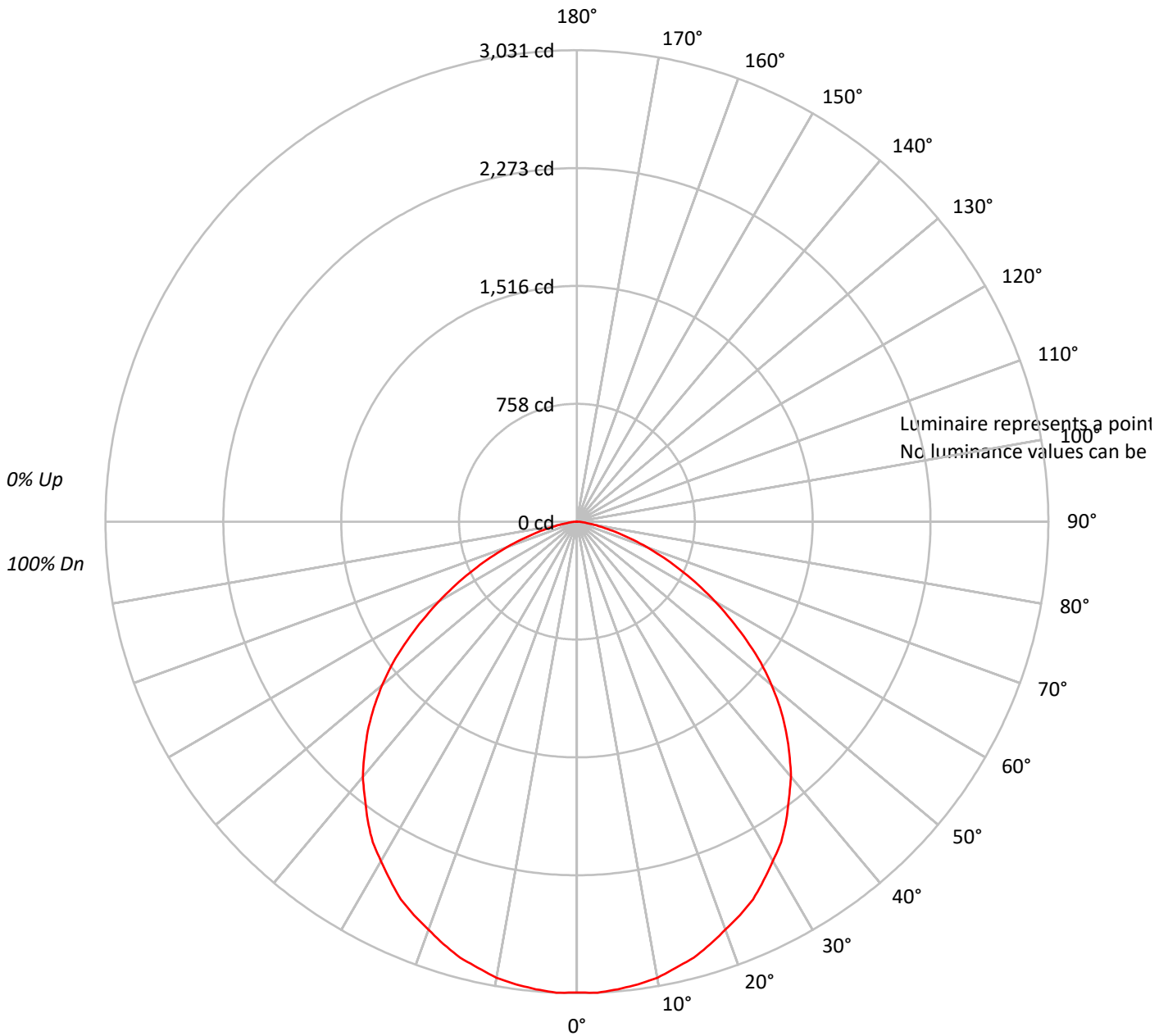
Input Watts (W): 58.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P204618

CATALOG NUMBER: LE_6B50D010R EC6B30508050 6LBSMW1

Luminous Intensity Polar Plot





TEST NUMBER: P204618

CATALOG NUMBER: LE_6B50D010R EC6B30508050 6LBSMW1

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	110	106	102	99	107	104	100	97	99	97	94	96	93	91	92	90	88	86				86
2	101	93	87	82	98	92	86	81	88	83	79	85	81	77	82	79	76	74				74
3	93	83	75	69	90	81	74	69	78	72	67	76	70	66	73	69	65	63				63
4	85	74	66	59	83	72	65	59	70	63	58	68	62	57	66	61	56	54				54
5	78	66	58	51	76	65	57	51	63	56	51	61	55	50	59	54	49	47				47
6	73	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42				42
7	67	54	46	40	66	54	46	40	52	45	40	51	44	39	49	43	39	37				37
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33				33
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30				30
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27				27

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P204618

CATALOG NUMBER: LE_6B50D010R EC6B30508050 6LBSMW1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	286.8	3.8
10°-20°	817.5	10.9
20°-30°	1231.2	16.4
30°-40°	1465.0	19.5
40°-50°	1462.3	19.5
50°-60°	1189.2	15.8
60°-70°	731.6	9.7
70°-80°	283.4	3.8
80°-90°	45.4	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°	2335.5	31.1
0°-40°	3800.4	50.6
0°-60°	6451.9	85.9
0°-90°	7512.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7512.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3027	
5°	3018	287
15°	2902	817
25°	2680	1231
35°	2346	1465
45°	1901	1462
55°	1331	1189
65°	734	732
75°	258	283
85°	36	45
90°	0	



TEST NUMBER: P204618

CATALOG NUMBER: LE_6B50D010R EC6B30508050 6LBSMW1

CANDELA DISTRIBUTION (FULL):

	0°
0°	3026.8
2.5°	3031.2
5°	3017.9
7.5°	3000.0
10°	2977.8
12.5°	2937.8
15°	2902.1
17.5°	2848.8
20°	2790.9
22.5°	2737.5
25°	2679.6
27.5°	2599.5
30°	2519.4
32.5°	2443.6
35°	2345.8
37.5°	2238.9
40°	2141.0
42.5°	2020.8
45°	1900.6
47.5°	1771.5
50°	1633.5
52.5°	1491.1
55°	1330.9
57.5°	1175.1
60°	1023.8
62.5°	876.9
65°	734.4
67.5°	600.9
70°	476.2
72.5°	360.5
75°	258.1
77.5°	169.1
80°	102.4
82.5°	62.4
85°	35.6
87.5°	17.8
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)