

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: P204830

Luminaire Tested: **LE_6B50D010R EC6B30509040 6LBCSMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204830
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 EC6B30509040 6LBCSMW1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH CAST MATTE WHITE TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6367.5 lumens
Efficiency: N/A
Efficacy: 108.3 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

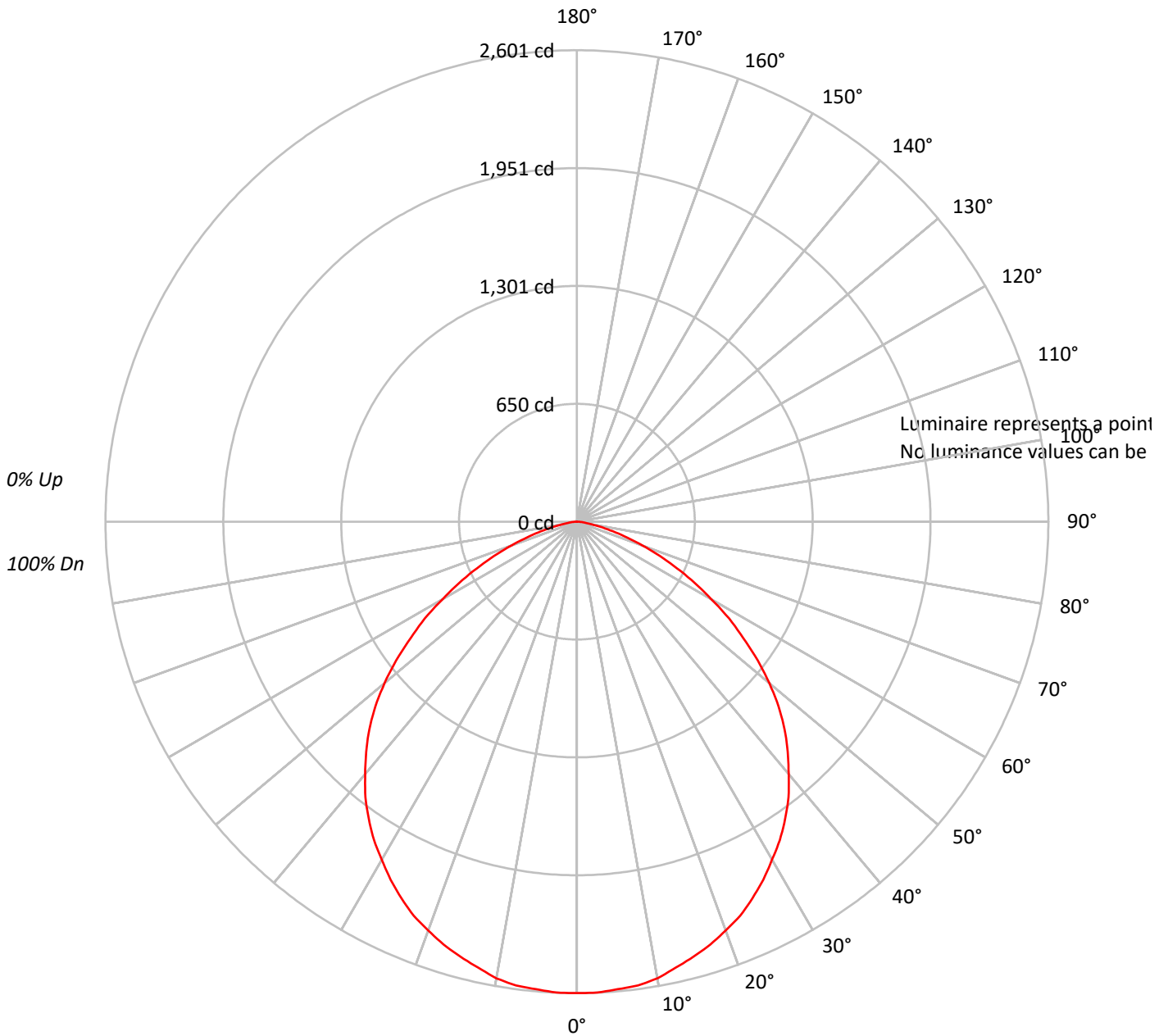
Input Watts (W): 58.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P204830

CATALOG NUMBER: LE_6B50D010R EC6B30509040 6LBSCMW1

Luminous Intensity Polar Plot





TEST NUMBER: P204830

CATALOG NUMBER: LE_6B50D010R EC6B30509040 6LBSCMW1

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	108	104	100	97	100	97	94	96	93	91	92	90	89	87				87
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74				74
3	93	83	75	70	90	81	74	69	79	73	68	76	71	67	73	69	65	63				63
4	85	74	66	60	83	73	65	59	70	64	58	68	62	58	66	61	57	55				55
5	79	66	58	52	77	65	57	51	63	56	51	61	55	50	60	54	50	48				48
6	73	60	52	45	71	59	51	45	57	50	45	56	49	44	54	49	44	42				42
7	68	55	46	40	66	54	46	40	52	45	40	51	44	40	50	44	39	37				37
8	63	50	42	36	61	49	41	36	48	41	36	47	40	36	46	40	35	33				33
9	59	46	38	33	57	45	38	32	44	37	32	43	37	32	42	36	32	30				30
10	55	42	35	30	54	42	34	30	41	34	29	40	34	29	39	33	29	27				27

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P204830

CATALOG NUMBER: LE_6B50D010R EC6B30509040 6LBSCMW1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	246.4	3.9
10°-20°	701.5	11.0
20°-30°	1055.3	16.6
30°-40°	1250.6	19.6
40°-50°	1244.6	19.5
50°-60°	1003.3	15.8
60°-70°	606.9	9.5
70°-80°	225.3	3.5
80°-90°	33.5	0.5
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°	2003.2	31.5
0°-40°	3253.8	51.1
0°-60°	5501.7	86.4
0°-90°	6367.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6367.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2601	
5°	2589	246
15°	2485	702
25°	2292	1055
35°	2003	1251
45°	1621	1245
55°	1119	1003
65°	610	607
75°	204	225
85°	27	34
90°	0	



TEST NUMBER: P204830

CATALOG NUMBER: LE_6B50D010R EC6B30509040 6LBSCMW1

CANDELA DISTRIBUTION (FULL):

	0°
0°	2600.8
2.5°	2600.8
5°	2589.1
7.5°	2581.5
10°	2558.2
12.5°	2519.8
15°	2485.0
17.5°	2446.4
20°	2400.1
22.5°	2353.8
25°	2292.0
27.5°	2226.5
30°	2153.1
32.5°	2083.6
35°	2002.6
37.5°	1917.8
40°	1817.4
42.5°	1721.0
45°	1620.6
47.5°	1508.8
50°	1385.2
52.5°	1257.9
55°	1119.0
57.5°	995.5
60°	856.6
62.5°	733.1
65°	609.6
67.5°	493.9
70°	385.9
72.5°	289.4
75°	204.5
77.5°	131.2
80°	77.1
82.5°	46.2
85°	27.0
87.5°	11.6
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)