

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: P204521

Luminaire Tested: **LE_6B50D010R EC6B30509727 6LBSB1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204521
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 6LBSB1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH SPECULAR BLACK TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4368.6 lumens
Efficiency: N/A
Efficacy: 74.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.3
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

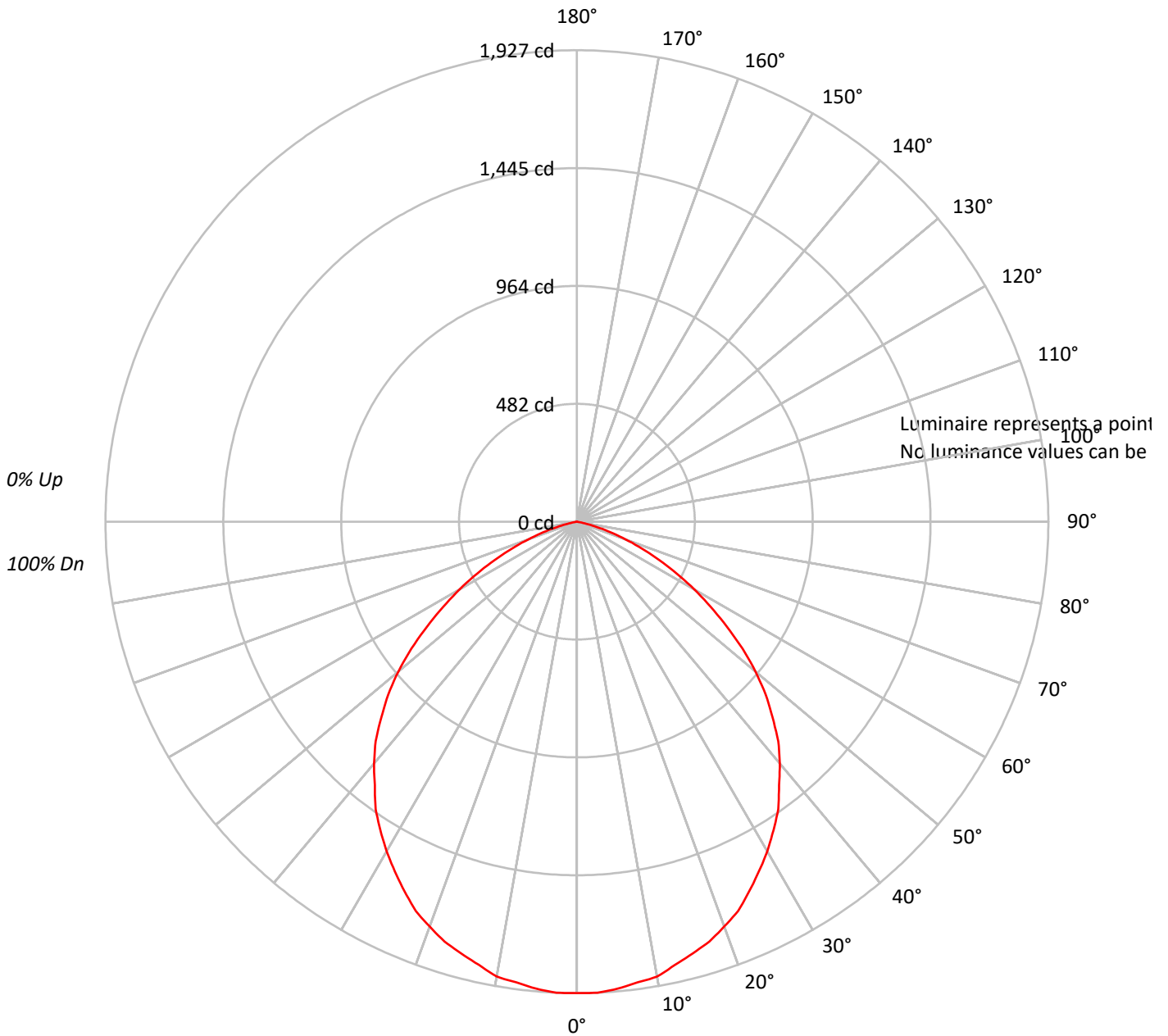
Input Watts (W): 58.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P204521

CATALOG NUMBER: LE_6B50D010R EC6B30509727 6LBSB1

Luminous Intensity Polar Plot





TEST NUMBER: P204521

CATALOG NUMBER: LE_6B50D010R EC6B30509727 6LBSB1

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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	111	107	103	100	108	105	101	98	100	98	95	97	94	93	93	91	90	88			
2	102	95	89	84	100	93	88	83	90	85	81	86	83	79	84	80	78	76			
3	94	84	77	72	91	83	76	71	80	74	70	77	73	68	75	71	67	65			
4	86	76	68	62	84	74	67	61	72	65	60	70	64	60	68	63	59	57			
5	80	68	60	54	78	67	59	53	65	58	53	63	57	52	61	56	52	50			
6	74	62	53	47	72	61	53	47	59	52	47	57	51	46	56	50	46	44			
7	69	56	48	42	67	55	48	42	54	47	42	52	46	41	51	45	41	39			
8	64	51	43	38	63	51	43	38	49	42	37	48	42	37	47	41	37	35			
9	60	47	39	34	59	47	39	34	46	39	34	45	38	34	44	38	34	32			
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	40	35	31	29			

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P204521

CATALOG NUMBER: LE_6B50D010R EC6B30509727 6LBSB1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	181.9	4.2
10°-20°	516.1	11.8
20°-30°	767.7	17.6
30°-40°	893.3	20.4
40°-50°	870.7	19.9
50°-60°	669.8	15.3
60°-70°	370.2	8.5
70°-80°	98.1	2.2
80°-90°	0.7	0.0
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°	1465.7	33.6
0°-40°	2359.0	54.0
0°-60°	3899.5	89.3
0°-90°	4368.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4368.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1927	
5°	1916	182
15°	1828	516
25°	1667	768
35°	1434	893
45°	1130	871
55°	748	670
65°	371	370
75°	83	98
85°	0	1
90°	0	



TEST NUMBER: P204521

CATALOG NUMBER: LE_6B50D010R EC6B30509727 6LBSB1

CANDELA DISTRIBUTION (FULL):

	0°
0°	1927.1
2.5°	1927.1
5°	1916.1
7.5°	1899.5
10°	1888.4
12.5°	1855.1
15°	1827.5
17.5°	1799.8
20°	1761.0
22.5°	1722.2
25°	1666.9
27.5°	1611.5
30°	1556.1
32.5°	1495.2
35°	1434.2
37.5°	1356.8
40°	1290.2
42.5°	1218.2
45°	1129.8
47.5°	1046.6
50°	952.5
52.5°	852.9
55°	747.6
57.5°	647.9
60°	553.8
62.5°	459.6
65°	371.0
67.5°	288.0
70°	210.4
72.5°	144.0
75°	83.1
77.5°	38.8
80°	5.5
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)