

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: P204301

Luminaire Tested: **LE_6B40D010 EC6B30509050 6LBSWH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204301
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_6B40D010 EC6B30509050 6LBSWH1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH WHEAT TRIM
WATTAGE D010TR-43.02 W DE010-42.54 W D5LT-42.539 W DMX-41.87 W DL2-41.57
W DL3-44.71 W DLE-39.33 W
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4765.8 lumens
Efficiency: N/A
Efficacy: 114.0 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 1.08
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

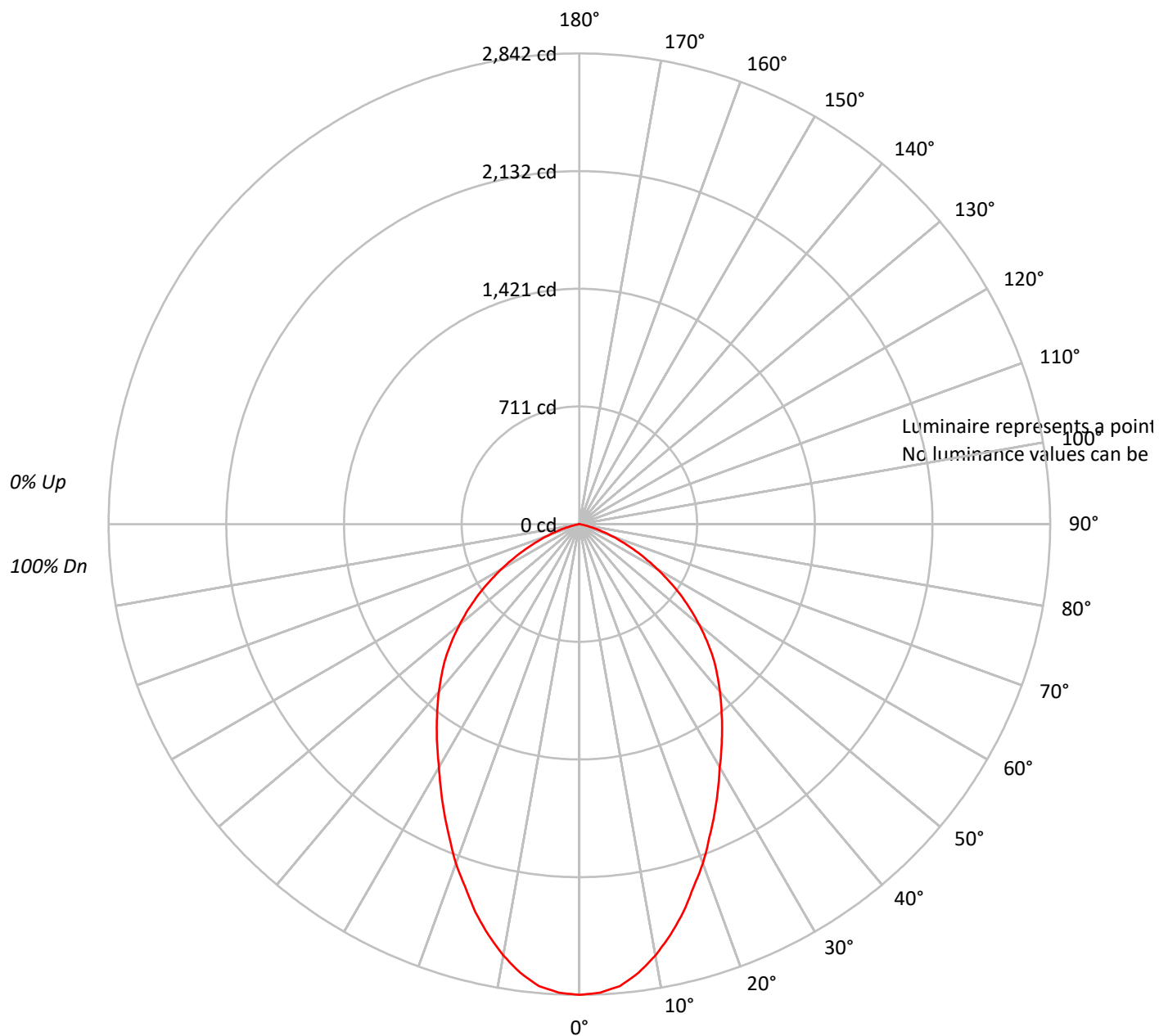
Input Watts (W): 41.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P204301

CATALOG NUMBER: LE_6B40D010 EC6B30509050 6LBSWH1

Luminous Intensity Polar Plot





TEST NUMBER: P204301

CATALOG NUMBER: LE_6B40D010 EC6B30509050 6LBSWH1

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		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	111	107	104	101	108	105	102	99	101	98	96		97	95	93		94
2	103	96	90	85	100	94	89	84	91	86	83		87	84	81		85
3	95	86	79	73	93	84	78	73	82	76	72		79	74	70		76
4	88	77	70	64	86	76	69	63	74	68	63		72	66	62		69
5	81	70	62	56	79	69	62	56	67	60	55		65	59	55		63
6	76	64	56	50	74	63	55	50	61	54	49		60	54	49		58
7	71	58	51	45	69	58	50	45	56	49	45		55	49	44		54
8	66	54	46	41	65	53	46	41	52	45	40		51	45	40		50
9	62	50	42	37	61	49	42	37	48	41	37		47	41	37		46
10	58	46	39	34	57	46	39	34	45	38	34		44	38	34		43

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P204301

CATALOG NUMBER: LE_6B40D010 EC6B30509050 6LBSWH1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	262.1	5.5
10°-20°	678.5	14.2
20°-30°	887.5	18.6
30°-40°	939.8	19.7
40°-50°	876.5	18.4
50°-60°	663.9	13.9
60°-70°	359.6	7.5
70°-80°	96.5	2.0
80°-90°	1.4	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°	1828.2	38.4
0°-40°	2767.9	58.1
0°-60°	4308.3	90.4
0°-90°	4765.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4765.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2842	
5°	2800	262
15°	2425	679
25°	1930	887
35°	1502	940
45°	1142	877
55°	746	664
65°	360	360
75°	84	96
85°	0	1
90°	0	



TEST NUMBER: P204301

CATALOG NUMBER: LE_6B40D010 EC6B30509050 6LBSWH1

CANDELA DISTRIBUTION (FULL):

0°	
0°	2842.2
2.5°	2831.9
5°	2800.5
7.5°	2732.8
10°	2644.1
12.5°	2539.8
15°	2425.0
17.5°	2294.6
20°	2179.9
22.5°	2049.5
25°	1929.6
27.5°	1809.6
30°	1694.9
32.5°	1595.9
35°	1502.0
37.5°	1408.1
40°	1319.4
42.5°	1230.8
45°	1142.1
47.5°	1043.0
50°	944.0
52.5°	844.9
55°	745.8
57.5°	641.5
60°	542.4
62.5°	448.5
65°	359.9
67.5°	276.4
70°	203.4
72.5°	140.8
75°	83.5
77.5°	36.5
80°	10.4
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)