

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: P204949

Luminaire Tested: **LE_6B60D010R EC6B60709730 6LBCSMB1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204949
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_6B60D010R EC6B60709730 6LBCSMB1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH CAST MATTE BLACK TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5171.6 lumens
Efficiency: N/A
Efficacy: 82.7 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

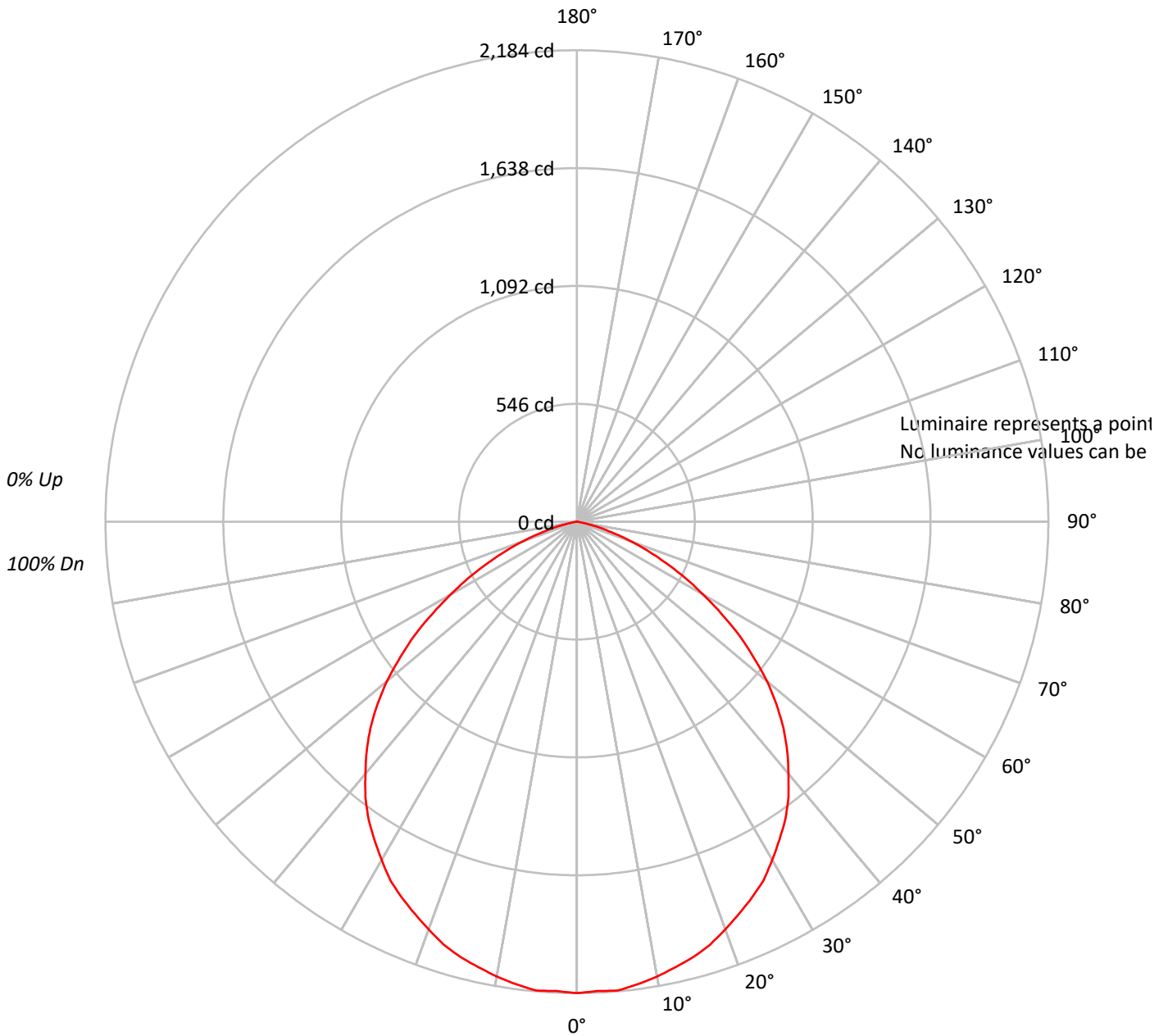
Input Watts (W): 62.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P204949

CATALOG NUMBER: LE_6B60D010R EC6B60709730 6LBSCMB1

Luminous Intensity Polar Plot





TEST NUMBER: P204949

CATALOG NUMBER: LE_6B60D010R EC6B60709730 6LBCSMB1

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	111	107	103	100	108	104	101	98	100	98	95	96	94	92	93	91	90	88				88
2	102	95	89	84	99	93	87	83	89	85	81	86	82	79	83	80	77	75				75
3	93	84	77	71	91	83	76	70	80	74	69	77	72	68	74	70	67	65				65
4	86	75	67	61	84	74	66	61	71	65	60	69	63	59	67	62	58	56				56
5	79	67	59	53	77	66	59	53	64	57	52	62	56	52	61	55	51	49				49
6	74	61	53	47	72	60	52	46	58	51	46	57	50	46	55	50	45	43				43
7	68	55	47	41	67	55	47	41	53	46	41	52	45	41	50	45	40	39				39
8	64	51	43	37	62	50	42	37	49	42	37	48	41	37	46	41	36	35				35
9	60	47	39	33	58	46	39	33	45	38	33	44	38	33	43	37	33	31				31
10	56	43	35	30	55	43	35	30	42	35	30	41	34	30	40	34	30	28				28

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P204949

CATALOG NUMBER: LE_6B60D010R EC6B60709730 6LBSCMB1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	206.5	4.0
10°-20°	588.5	11.4
20°-30°	884.6	17.1
30°-40°	1049.6	20.3
40°-50°	1038.7	20.1
50°-60°	815.9	15.8
60°-70°	457.4	8.8
70°-80°	128.4	2.5
80°-90°	2.0	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°	1679.6	32.5
0°-40°	2729.2	52.8
0°-60°	4583.7	88.6
0°-90°	5171.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5171.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2184	
5°	2180	207
15°	2087	588
25°	1920	885
35°	1683	1050
45°	1353	1039
55°	920	816
65°	456	457
75°	111	128
85°	0	2
90°	0	



TEST NUMBER: P204949

CATALOG NUMBER: LE_6B60D010R EC6B60709730 6LBCSMB1

CANDELA DISTRIBUTION (FULL):

	0°
0°	2183.8
2.5°	2176.4
5°	2180.0
7.5°	2161.5
10°	2139.2
12.5°	2113.4
15°	2087.4
17.5°	2054.0
20°	2009.5
22.5°	1965.0
25°	1920.5
27.5°	1872.4
30°	1809.2
32.5°	1746.2
35°	1683.2
37.5°	1609.1
40°	1523.9
42.5°	1442.2
45°	1353.2
47.5°	1253.1
50°	1149.4
52.5°	1030.8
55°	919.5
57.5°	793.4
60°	674.8
62.5°	567.2
65°	456.0
67.5°	359.6
70°	267.0
72.5°	181.6
75°	111.2
77.5°	55.6
80°	14.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)