

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: P205047

Luminaire Tested: **LE_6B60D010R EC6B60709035 6LBCS1MMS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205047
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 EC6B60709035 6LBCS1MMS
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH CAST MATTE METALLIC SILVER TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6650.8 lumens
Efficiency: N/A
Efficacy: 106.4 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.27
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

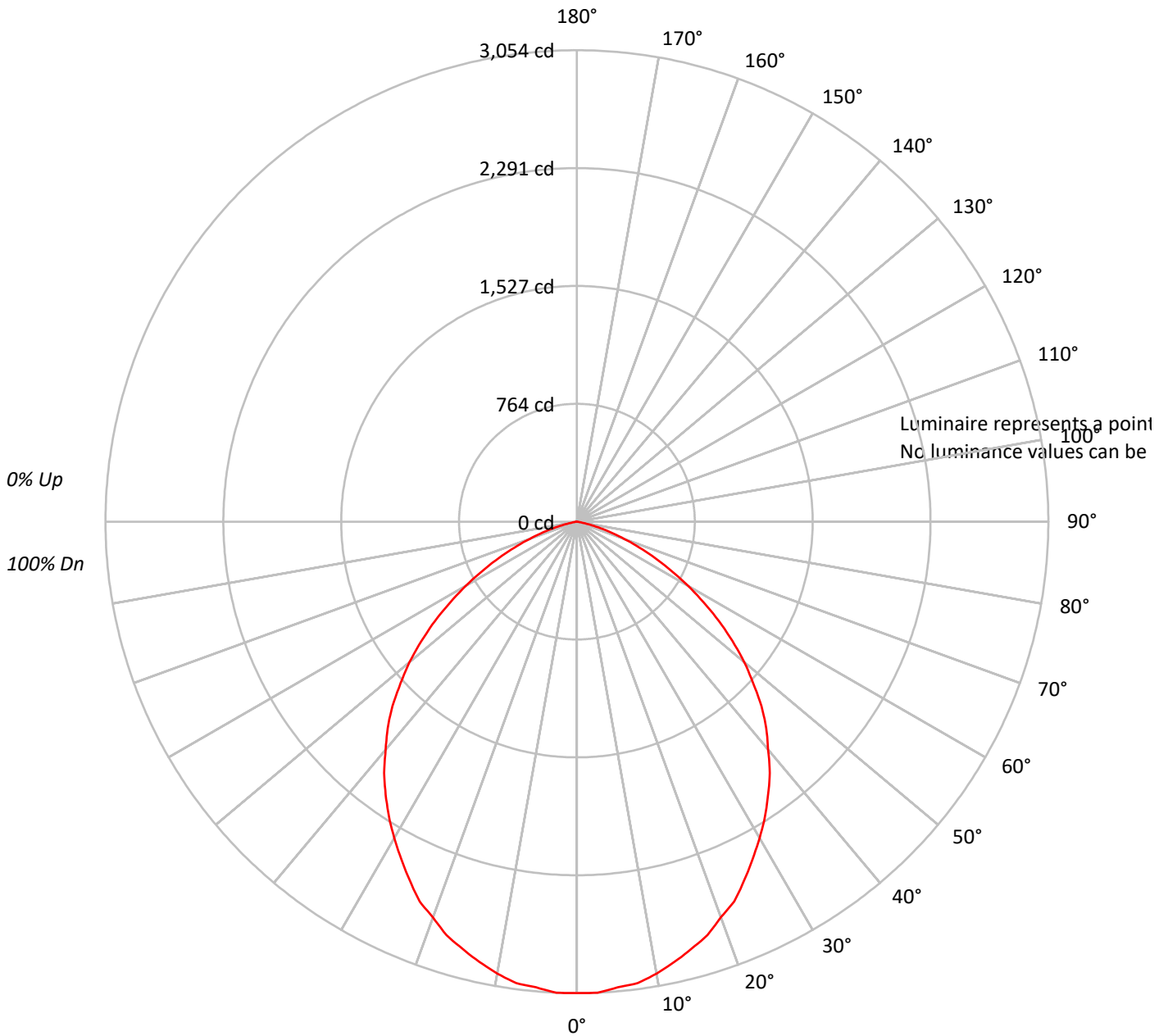
Input Watts (W): 62.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P205047

CATALOG NUMBER: LE_6B60D010R EC6B60709035 6LBSC1MMS

Luminous Intensity Polar Plot





TEST NUMBER: P205047

CATALOG NUMBER: LE_6B60D010R EC6B60709035 6LBSC1MMS

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	92	93	91	90	88			
2	102	95	89	84	100	93	88	83	90	85	81	86	83	79	83	80	78	76			
3	94	85	77	72	92	83	76	71	80	74	70	77	73	69	75	71	67	65			
4	87	76	68	62	84	74	67	61	72	66	61	70	64	60	68	63	59	57			
5	80	68	60	54	78	67	59	54	65	58	53	63	57	53	61	56	52	50			
6	74	62	54	48	72	61	53	47	59	52	47	58	51	47	56	51	46	44			
7	69	56	48	42	67	56	48	42	54	47	42	53	46	42	51	46	41	40			
8	64	52	44	38	63	51	43	38	50	43	38	48	42	38	47	42	37	36			
9	60	48	40	35	59	47	40	34	46	39	34	45	39	34	44	38	34	32			
10	57	44	36	31	55	43	36	31	43	36	31	42	35	31	41	35	31	29			

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P205047

CATALOG NUMBER: LE_6B60D010R EC6B60709035 6LBCS1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	287.8	4.3
10°-20°	807.6	12.1
20°-30°	1179.7	17.7
30°-40°	1349.2	20.3
40°-50°	1296.7	19.5
50°-60°	1001.3	15.1
60°-70°	558.8	8.4
70°-80°	162.6	2.4
80°-90°	7.0	0.1
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°	2275.1	34.2
0°-40°	3624.4	54.5
0°-60°	5922.4	89.0
0°-90°	6650.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6650.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3054	
5°	3028	288
15°	2865	808
25°	2564	1180
35°	2160	1349
45°	1691	1297
55°	1123	1001
65°	559	559
75°	142	163
85°	4	7
90°	0	



TEST NUMBER: P205047

CATALOG NUMBER: LE_6B60D010R EC6B60709035 6LBCS1MMS

CANDELA DISTRIBUTION (FULL):

	0°
0°	3054.2
2.5°	3054.2
5°	3028.5
7.5°	3015.5
10°	2972.5
12.5°	2920.9
15°	2865.0
17.5°	2809.0
20°	2727.4
22.5°	2662.8
25°	2563.9
27.5°	2464.9
30°	2366.0
32.5°	2267.0
35°	2159.5
37.5°	2052.0
40°	1927.2
42.5°	1815.4
45°	1690.6
47.5°	1548.6
50°	1415.2
52.5°	1269.0
55°	1122.8
57.5°	972.2
60°	830.2
62.5°	688.2
65°	559.2
67.5°	438.8
70°	326.9
72.5°	228.0
75°	142.0
77.5°	73.1
80°	25.8
82.5°	8.6
85°	4.2
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)