

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: P35288

Luminaire Tested: **LE_6B10D010 EC6B10209027 6LBSLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P35288
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LE_6B10D010 EC6B10209027 6LBSLI1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH SPECULAR CLEAR TRIM
WATTAGE D010TR-10.05 W DE010-10.58 W D5LT-10.2 W DMX-10.6 W DL2-11.8 W
DL3-11.1 W DLE-11.39 W
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1176.6 lumens
Efficiency: N/A
Efficacy: 121.3 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1.04
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

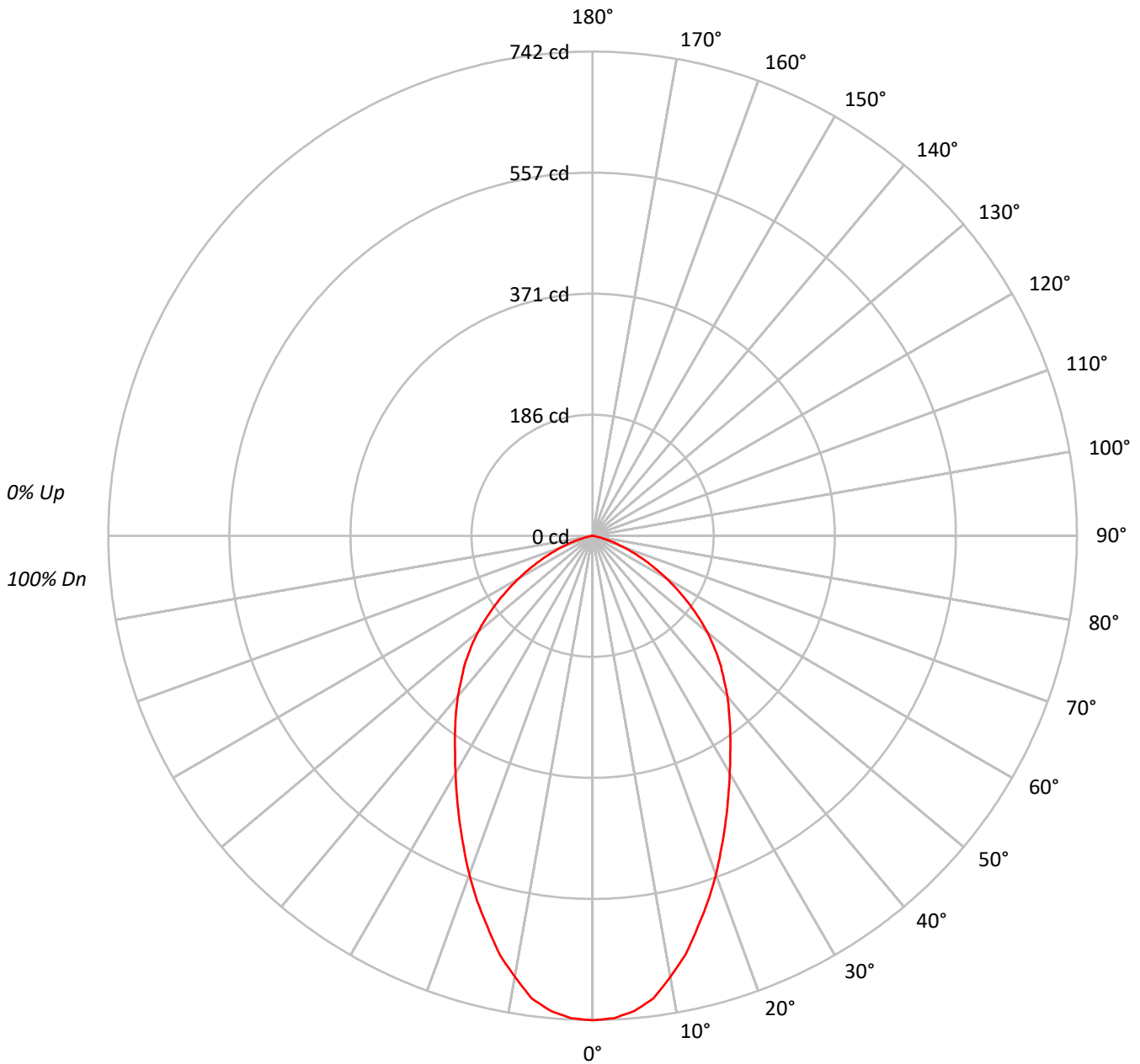
Input Watts (W): 9.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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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	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89				89
2	103	96	91	86	100	94	89	85	91	87	83	88	84	81	85	82	79	77				77
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	70	68				68
4	88	78	70	64	86	77	69	64	74	68	63	72	67	62	70	65	62	60				60
5	82	71	63	57	80	70	62	57	67	61	56	66	60	55	64	59	55	53				53
6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	47				47
7	71	59	51	46	70	58	51	45	57	50	45	55	49	45	54	49	45	43				43
8	67	54	47	41	65	54	46	41	52	46	41	51	45	41	50	45	41	39				39
9	63	50	43	38	61	50	43	38	49	42	38	48	42	37	47	41	37	36				36
10	59	47	40	35	58	46	39	35	45	39	35	45	39	34	44	38	34	33				33

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	48441
5°	47886
10°	45459
15°	41957
20°	38359
25°	34733
30°	31640
35°	29269
40°	27355
45°	25483
50°	23222
55°	20337
60°	16963
65°	13307
70°	9309
75°	5041
80°	939
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.4	5.8
10°-20°	174.2	14.8
20°-30°	222.1	18.9
30°-40°	230.4	19.6
40°-50°	212.2	18.0
50°-60°	159.7	13.6
60°-70°	86.2	7.3
70°-80°	23.2	2.0
80°-90°	0.3	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°	464.7	39.5
0°-40°	695.1	59.1
0°-60°	1067.0	90.7
0°-90°	1176.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1176.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	742	
5°	731	68
15°	621	174
25°	482	222
35°	368	230
45°	276	212
55°	179	160
65°	86	86
75°	20	23
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	742.5
2.5°	740.0
5°	731.2
7.5°	715.0
10°	686.2
12.5°	657.5
15°	621.2
17.5°	587.5
20°	552.5
22.5°	516.2
25°	482.5
27.5°	450.0
30°	420.0
32.5°	392.5
35°	367.5
37.5°	343.8
40°	321.2
42.5°	297.5
45°	276.2
47.5°	252.5
50°	228.8
52.5°	203.8
55°	178.8
57.5°	153.8
60°	130.0
62.5°	107.5
65°	86.2
67.5°	66.2
70°	48.8
72.5°	33.8
75°	20.0
77.5°	8.8
80°	2.5
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)