

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: P205388

Luminaire Tested: **LE_6B15D010 EC6B10209035 6LBSLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205388
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_6B15D010 EC6B10209035 6LBSLI1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH SPECULAR CLEAR TRIM
WATTAGE D010TR-14.39 W DE010-14.29 W D5LT-14.34 W DMX-14.46 W DL2-15.8 W
DL3-15.28 W DLE-15.432 W
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1711.6 lumens
Efficiency: N/A
Efficacy: 119.7 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1.04
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

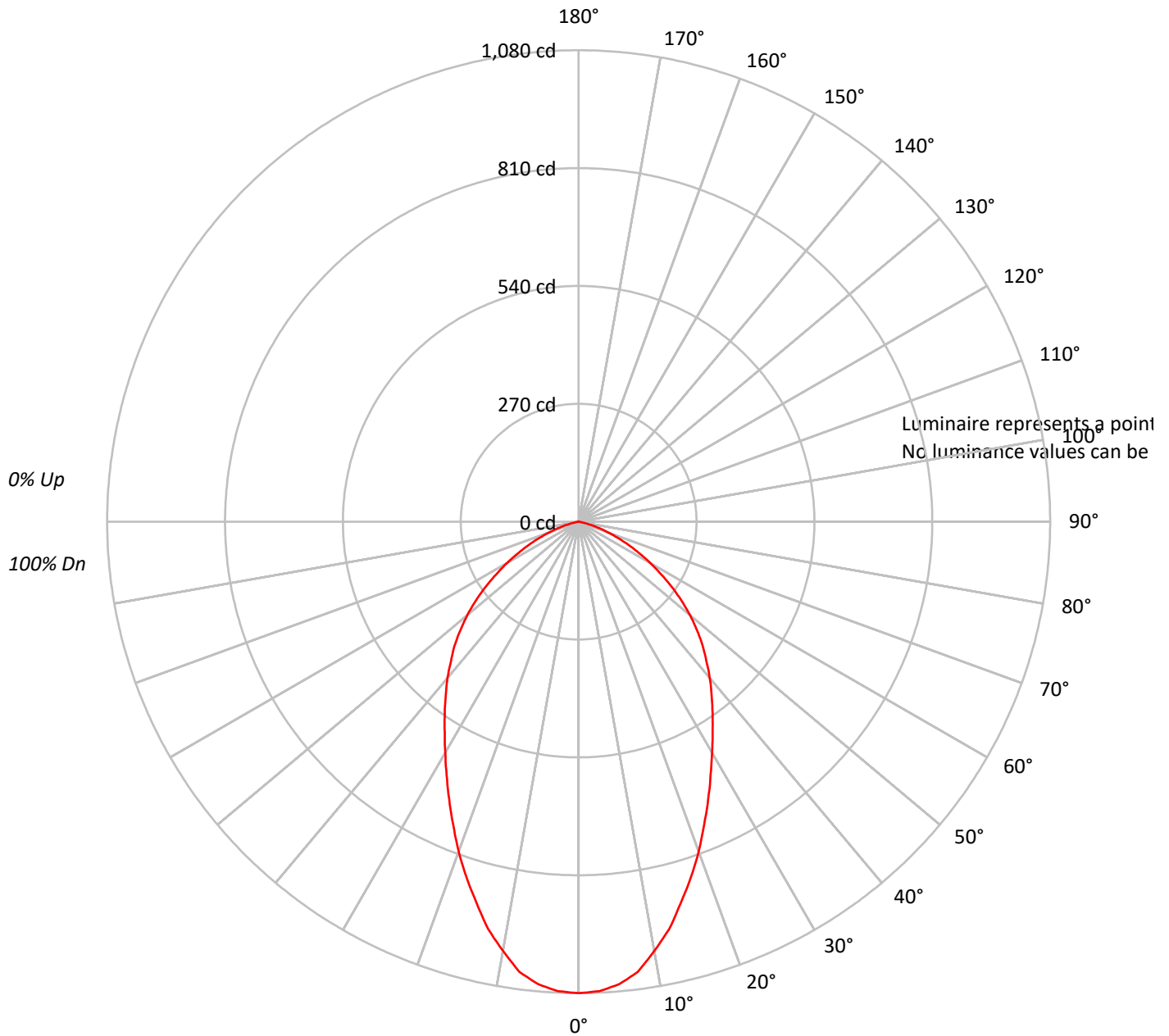
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89		
2	103	96	91	86	100	94	89	85	91	87	83	88	84	81	85	82	79	77		
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	70	68		
4	88	78	70	64	86	77	69	64	74	68	63	72	67	62	70	65	62	60		
5	82	71	63	57	80	70	62	57	67	61	56	66	60	55	64	59	55	53		
6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	47		
7	71	59	51	46	70	58	51	45	57	50	45	55	49	45	54	49	45	43		
8	67	54	47	41	65	54	46	41	52	46	41	51	45	41	50	45	41	39		
9	63	50	43	38	61	50	43	38	49	42	38	48	42	37	47	41	37	36		
10	59	47	40	35	58	46	39	35	45	39	35	45	39	34	44	38	34	33		

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.5	5.8
10°-20°	253.4	14.8
20°-30°	323.1	18.9
30°-40°	335.1	19.6
40°-50°	308.8	18.0
50°-60°	232.2	13.6
60°-70°	125.4	7.3
70°-80°	33.6	2.0
80°-90°	0.5	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°	676.0	39.5
0°-40°	1011.1	59.1
0°-60°	1552.1	90.7
0°-90°	1711.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1711.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1080	
5°	1064	100
15°	904	253
25°	702	323
35°	535	335
45°	402	309
55°	260	232
65°	126	125
75°	29	34
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1080.1
2.5°	1076.5
5°	1063.8
7.5°	1040.1
10°	998.2
12.5°	956.5
15°	903.8
17.5°	854.6
20°	803.8
22.5°	751.0
25°	701.9
27.5°	654.6
30°	611.0
32.5°	571.0
35°	534.6
37.5°	500.0
40°	467.4
42.5°	432.8
45°	401.9
47.5°	367.2
50°	332.8
52.5°	296.4
55°	260.0
57.5°	223.6
60°	189.1
62.5°	156.4
65°	125.5
67.5°	96.4
70°	70.9
72.5°	49.1
75°	29.1
77.5°	12.8
80°	3.6
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)