

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: P204839

Luminaire Tested: **LE_6B60D010R EC6B60709024 6LBCSMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204839
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 EC6B60709024 6LBCSMW1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH CAST MATTE WHITE TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5924.7 lumens
Efficiency: N/A
Efficacy: 94.8 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

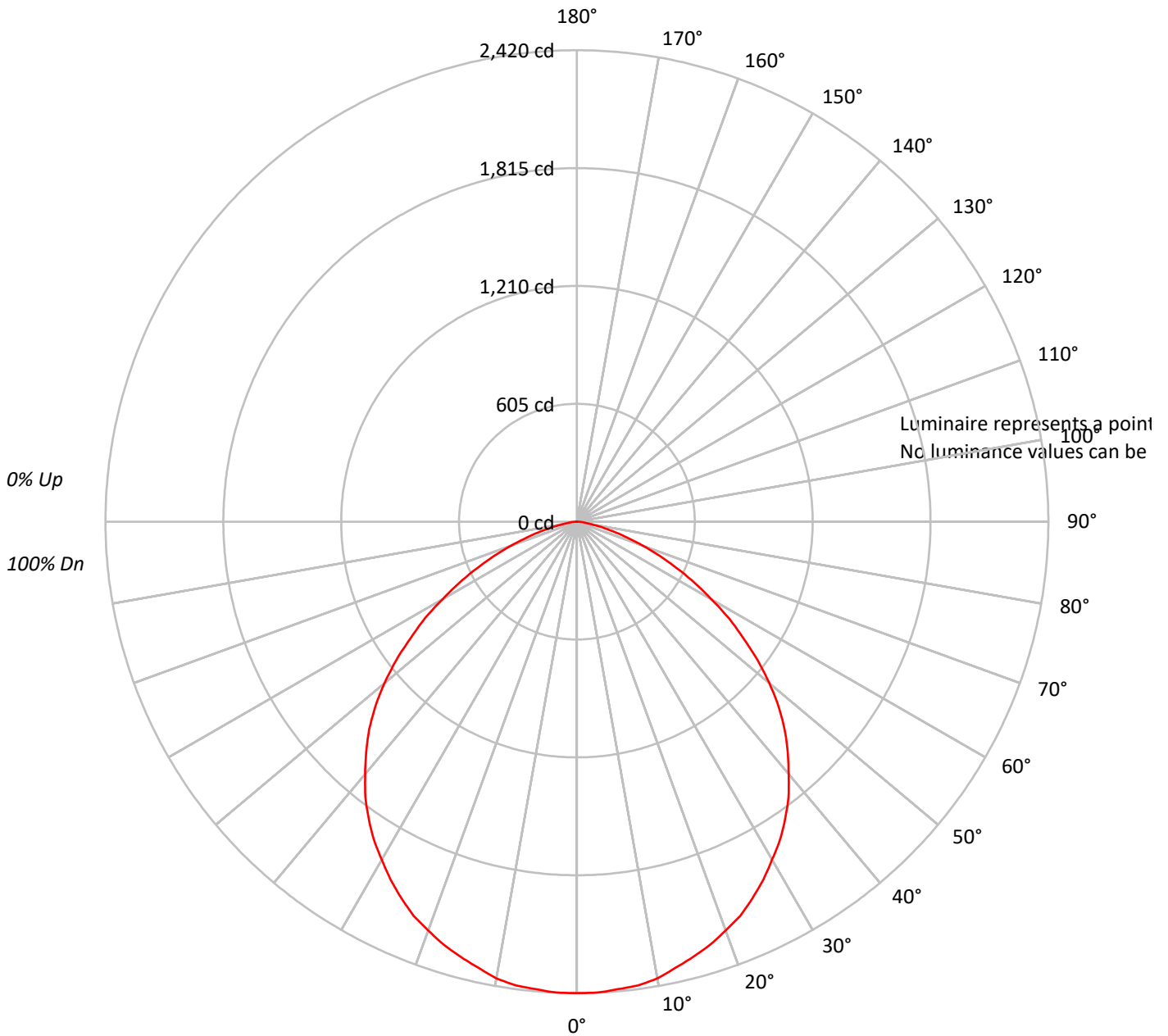
Input Watts (W): 62.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	110	106	102	99	108	104	100	97	100	97	94	96	93	91	92	90	89	87				87
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74				74
3	93	83	75	70	90	81	74	69	79	73	68	76	71	67	73	69	65	63				63
4	85	74	66	60	83	73	65	59	70	64	58	68	62	58	66	61	57	55				55
5	79	66	58	52	77	65	57	51	63	56	51	61	55	50	60	54	50	48				48
6	73	60	52	45	71	59	51	45	57	50	45	56	49	44	54	49	44	42				42
7	68	55	46	40	66	54	46	40	52	45	40	51	44	40	50	44	39	37				37
8	63	50	42	36	61	49	41	36	48	41	36	47	40	36	46	40	35	33				33
9	59	46	38	33	57	45	38	32	44	37	32	43	37	32	42	36	32	30				30
10	55	42	35	30	54	42	34	30	41	34	29	40	34	29	39	33	29	27				27

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	229.3	3.9
10°-20°	652.7	11.0
20°-30°	981.9	16.6
30°-40°	1163.7	19.6
40°-50°	1158.0	19.5
50°-60°	933.5	15.8
60°-70°	564.7	9.5
70°-80°	209.6	3.5
80°-90°	31.2	0.5
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°	1863.9	31.5
0°-40°	3027.5	51.1
0°-60°	5119.1	86.4
0°-90°	5924.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5924.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2420	
5°	2409	229
15°	2312	653
25°	2133	982
35°	1863	1164
45°	1508	1158
55°	1041	934
65°	567	565
75°	190	210
85°	25	31
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2419.9
2.5°	2419.9
5°	2409.1
7.5°	2401.9
10°	2380.4
12.5°	2344.5
15°	2312.1
17.5°	2276.2
20°	2233.1
22.5°	2190.1
25°	2132.6
27.5°	2071.6
30°	2003.4
32.5°	1938.8
35°	1863.4
37.5°	1784.4
40°	1691.0
42.5°	1601.2
45°	1507.9
47.5°	1403.9
50°	1288.9
52.5°	1170.5
55°	1041.2
57.5°	926.2
60°	797.0
62.5°	682.1
65°	567.2
67.5°	459.5
70°	359.0
72.5°	269.2
75°	190.2
77.5°	122.1
80°	71.8
82.5°	43.1
85°	25.1
87.5°	10.8
90°	0.0



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— 0°-180°







(END OF REPORT)