

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: P204821

Luminaire Tested: **LE_6B50D010R EC6B30508027 6LBCSMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204821
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_6B50D010R EC6B30508027 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: 7019.8 lumens
Efficiency: N/A
Efficacy: 119.4 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

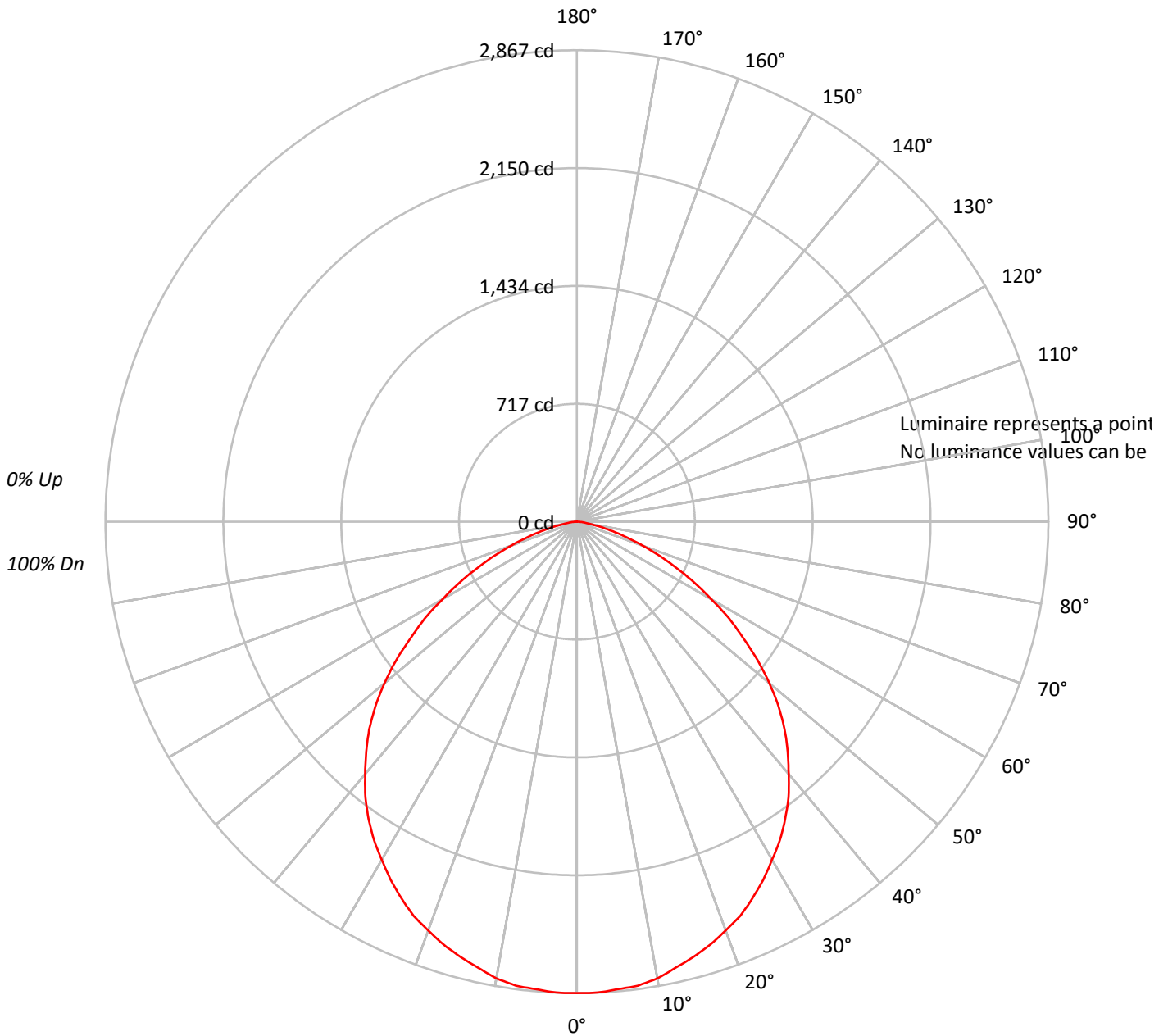
Input Watts (W): 58.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
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	110	106	102	99	108	104	100	97	100	97	94	96	93	91	92	90	89	87			
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74			
3	93	83	75	70	90	81	74	69	79	73	68	76	71	67	73	69	65	63			
4	85	74	66	60	83	73	65	59	70	64	58	68	62	58	66	61	57	55			
5	79	66	58	52	77	65	57	51	63	56	51	61	55	50	60	54	50	48			
6	73	60	52	45	71	59	51	45	57	50	45	56	49	44	54	49	44	42			
7	68	55	46	40	66	54	46	40	52	45	40	51	44	40	50	44	39	37			
8	63	50	42	36	61	49	41	36	48	41	36	47	40	36	46	40	35	33			
9	59	46	38	33	57	45	38	32	44	37	32	43	37	32	42	36	32	30			
10	55	42	35	30	54	42	34	30	41	34	29	40	34	29	39	33	29	27			

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	271.6	3.9
10°-20°	773.4	11.0
20°-30°	1163.4	16.6
30°-40°	1378.7	19.6
40°-50°	1372.0	19.5
50°-60°	1106.1	15.8
60°-70°	669.1	9.5
70°-80°	248.4	3.5
80°-90°	37.0	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°	2208.4	31.5
0°-40°	3587.1	51.1
0°-60°	6065.2	86.4
0°-90°	7019.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7019.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2867	
5°	2854	272
15°	2740	773
25°	2527	1163
35°	2208	1379
45°	1787	1372
55°	1234	1106
65°	672	669
75°	226	248
85°	30	37
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2867.1
2.5°	2867.1
5°	2854.4
7.5°	2845.9
10°	2820.4
12.5°	2777.8
15°	2739.5
17.5°	2697.0
20°	2645.9
22.5°	2594.9
25°	2526.8
27.5°	2454.5
30°	2373.6
32.5°	2297.1
35°	2207.8
37.5°	2114.1
40°	2003.6
42.5°	1897.2
45°	1786.6
47.5°	1663.2
50°	1527.1
52.5°	1386.8
55°	1233.6
57.5°	1097.5
60°	944.4
62.5°	808.2
65°	672.1
67.5°	544.5
70°	425.4
72.5°	319.0
75°	225.5
77.5°	144.6
80°	85.1
82.5°	51.0
85°	29.8
87.5°	12.8
90°	0.0



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— 0°-180°







(END OF REPORT)