

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: P202668

Luminaire Tested: **LE_6B50D010R EC6B30509730 6LBMWMH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P202668
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 EC6B30509730 6LBMWMH1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM DISTRIBUTION WITH WARM HAZE TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3912.8 lumens
Efficiency: N/A
Efficacy: 66.5 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.9 / 0.89
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

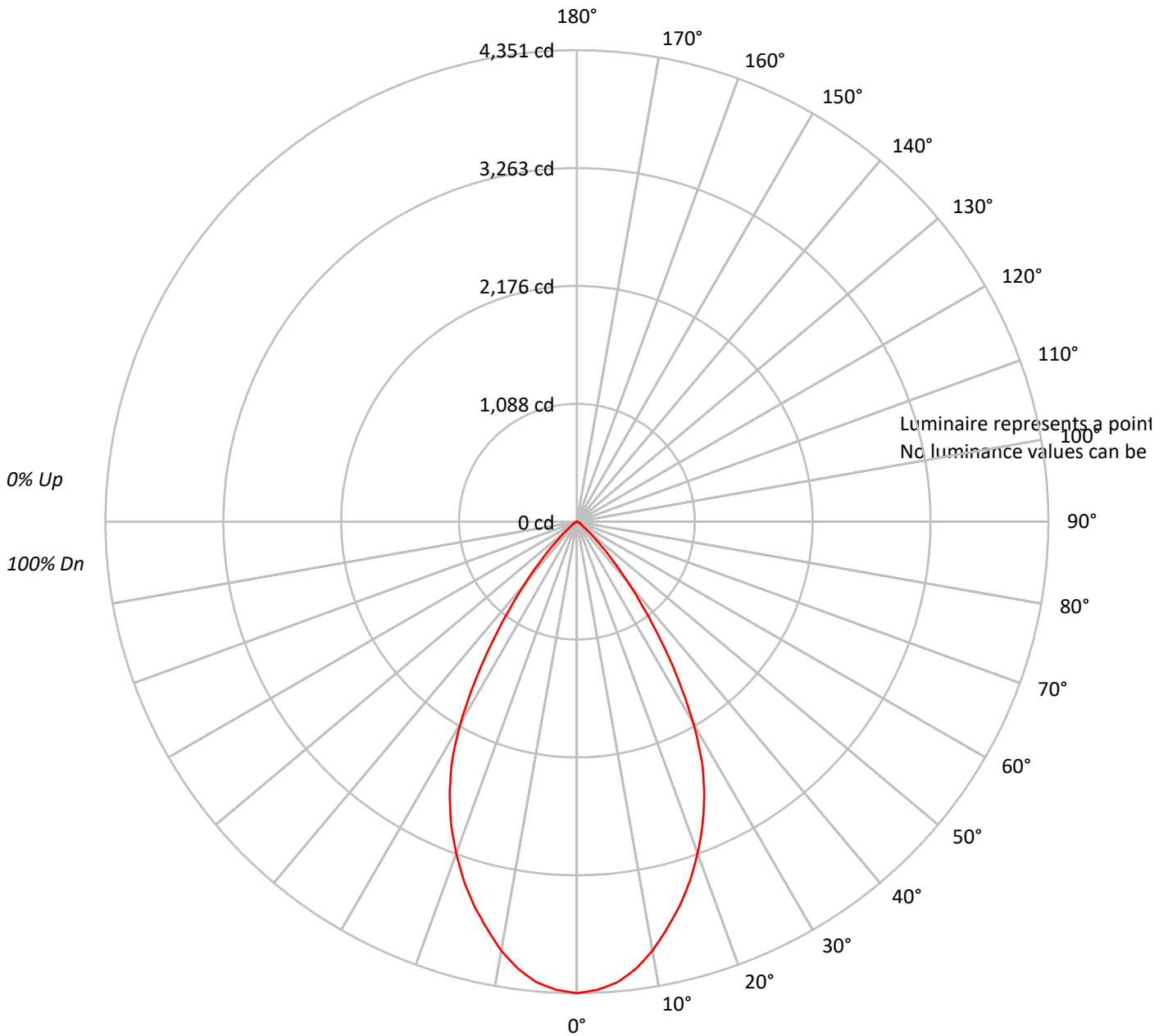
Input Watts (W): 58.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93
2	108	103	99	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86
3	102	95	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80
4	97	89	83	79	95	88	83	79	86	81	78	84	80	77	82	79	76	74
5	92	83	77	73	90	82	77	73	80	76	72	79	75	71	77	74	71	69
6	87	78	72	67	85	77	71	67	76	71	67	74	70	66	73	69	66	64
7	83	73	67	63	81	72	67	63	71	66	62	70	65	62	69	65	61	60
8	78	69	63	58	77	68	62	58	67	62	58	66	61	58	65	61	58	56
9	75	65	59	55	73	64	59	55	63	58	54	62	58	54	62	57	54	53
10	71	61	55	51	70	61	55	51	60	55	51	59	54	51	58	54	51	50

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	399.4	10.2
10°-20°	1025.2	26.2
20°-30°	1259.2	32.2
30°-40°	863.4	22.1
40°-50°	277.6	7.1
50°-60°	56.3	1.4
60°-70°	22.1	0.6
70°-80°	8.3	0.2
80°-90°	1.4	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°	2683.8	68.6
0°-40°	3547.3	90.7
0°-60°	3881.1	99.2
0°-90°	3912.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3912.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4351	
5°	4268	399
15°	3668	1025
25°	2778	1259
35°	1378	863
45°	329	278
55°	56	56
65°	23	22
75°	7	8
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4351.4
2.5°	4324.9
5°	4268.4
7.5°	4162.2
10°	4019.5
12.5°	3843.5
15°	3667.6
17.5°	3471.9
20°	3256.1
22.5°	3030.4
25°	2778.1
27.5°	2499.2
30°	2147.5
32.5°	1759.1
35°	1377.5
37.5°	1028.9
40°	740.1
42.5°	504.5
45°	328.6
47.5°	202.5
50°	122.8
52.5°	76.4
55°	56.4
57.5°	43.1
60°	33.2
62.5°	26.5
65°	23.2
67.5°	16.6
70°	13.2
72.5°	10.0
75°	6.6
77.5°	6.6
80°	3.4
82.5°	3.4
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)