

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: P203294

Luminaire Tested: **LE_6B60D010R EC6B60709030 6LBMH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203294
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 EC6B60709030 6LBMH1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM DISTRIBUTION WITH SEMI-SPECULAR CLEAR TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4659.9 lumens
Efficiency: N/A
Efficacy: 74.6 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.93
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

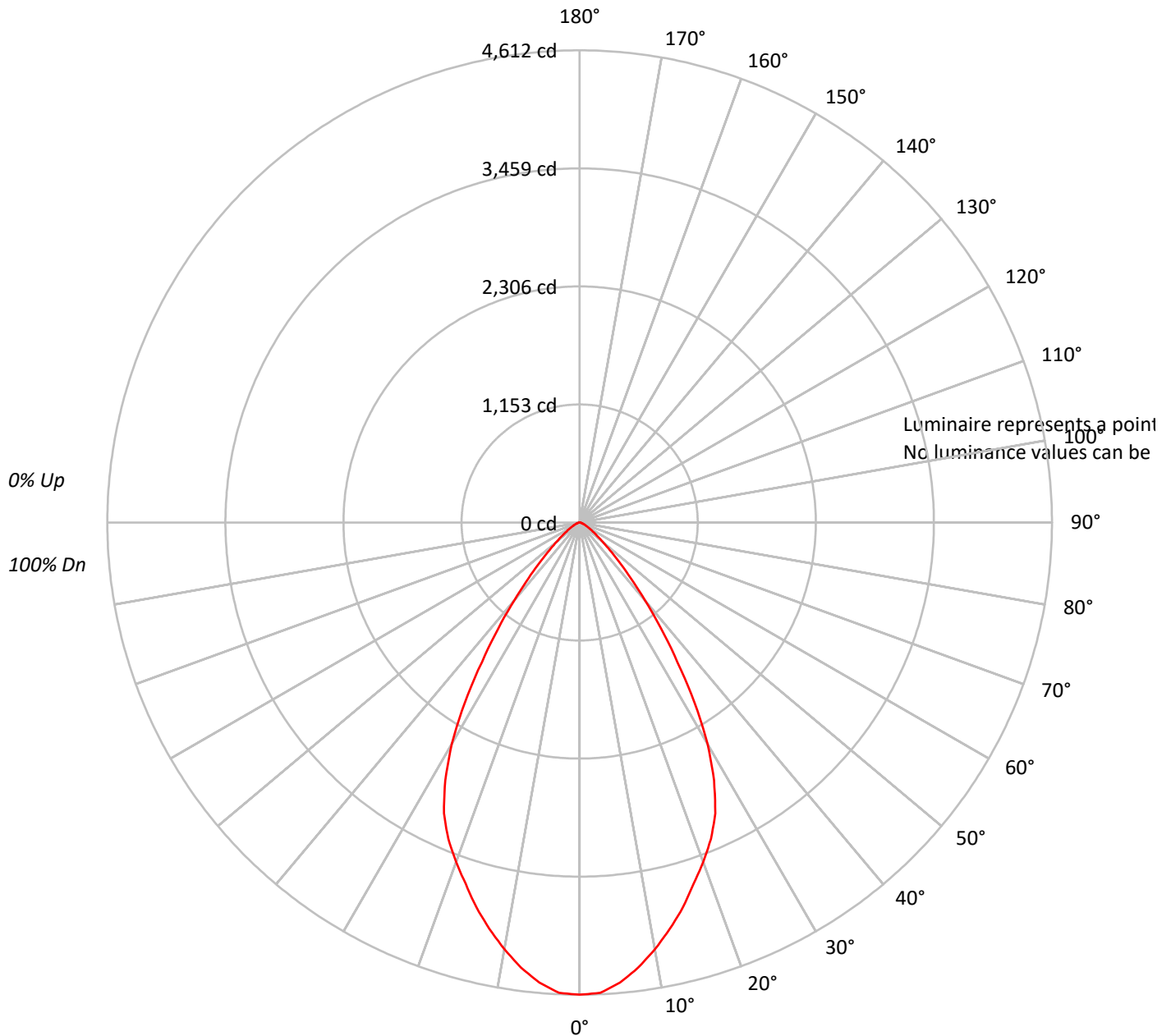
Input Watts (W): 62.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	110	107	105	111	108	105	103	104	102	100		100	99	97		97
2	107	102	97	93	105	100	96	92	97	93	90		94	91	88		91
3	101	94	88	84	99	92	87	84	90	86	82		87	84	81		85
4	95	87	81	76	93	86	80	76	84	79	75		82	78	74		80
5	90	81	75	70	88	80	74	70	78	73	69		76	72	68		75
6	85	75	69	64	83	75	69	64	73	68	64		72	67	63		70
7	80	70	64	59	79	70	64	59	68	63	59		67	62	59		66
8	76	66	60	55	75	65	59	55	64	59	55		63	58	55		62
9	72	62	56	51	71	61	55	51	60	55	51		60	55	51		59
10	69	58	52	48	68	58	52	48	57	52	48		56	51	48		55

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	421.7	9.0
10°-20°	1090.8	23.4
20°-30°	1413.4	30.3
30°-40°	1049.3	22.5
40°-50°	442.9	9.5
50°-60°	157.4	3.4
60°-70°	60.7	1.3
70°-80°	21.0	0.5
80°-90°	2.7	0.1
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°	2925.9	62.8
0°-40°	3975.3	85.3
0°-60°	4575.6	98.2
0°-90°	4659.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4659.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4612	
5°	4512	422
15°	3893	1091
25°	3134	1413
35°	1664	1049
45°	546	443
55°	166	157
65°	60	61
75°	20	21
85°	0	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4611.6
2.5°	4598.4
5°	4511.9
7.5°	4385.4
10°	4232.4
12.5°	4066.0
15°	3893.0
17.5°	3700.0
20°	3527.0
22.5°	3347.2
25°	3134.4
27.5°	2841.5
30°	2495.5
32.5°	2089.5
35°	1663.6
37.5°	1304.2
40°	991.5
42.5°	738.6
45°	545.6
47.5°	399.2
50°	292.8
52.5°	219.6
55°	166.4
57.5°	126.5
60°	99.9
62.5°	73.2
65°	59.9
67.5°	46.6
70°	33.2
72.5°	26.6
75°	20.0
77.5°	13.2
80°	6.6
82.5°	6.6
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)