

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: P203605

Luminaire Tested: **LE_6B60D010R EC6B60709040 6LBMMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203605
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 EC6B60709040 6LBMMW1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM DISTRIBUTION WITH MATTE WHITE TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5194.9 lumens
Efficiency: N/A
Efficacy: 83.1 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 0.97
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

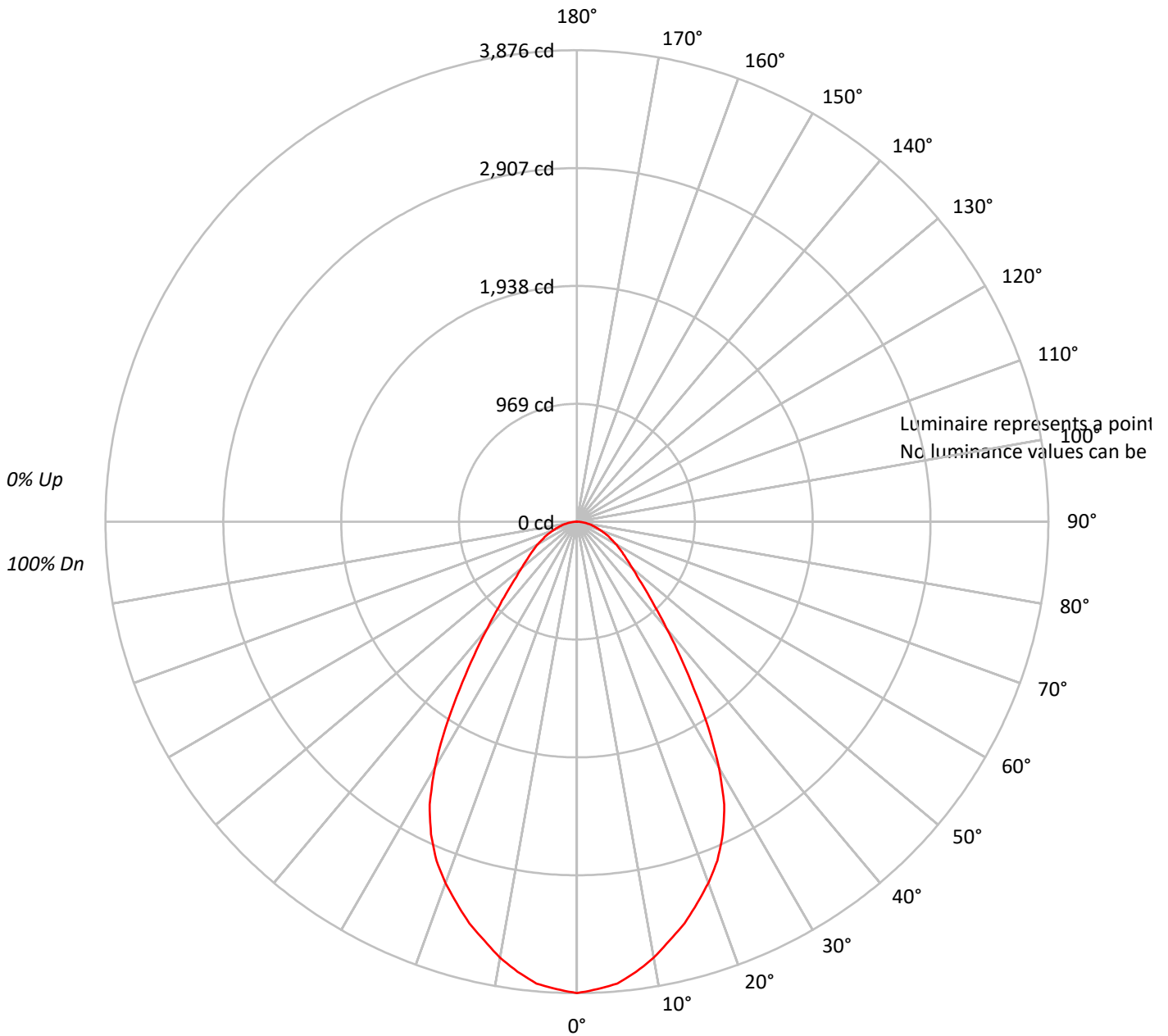
Input Watts (W): 62.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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									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	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	111	108	104	101	109	105	103	100	101	99	97	98	96	94	94	92	91	89																											
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79																											
3	97	88	82	77	95	87	81	76	84	79	75	82	77	74	79	76	73	71																											
4	90	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	65	64																											
5	85	74	67	61	83	73	66	61	71	65	61	69	64	60	68	63	59	58																											
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53																											
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48																											
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44																											
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	41																											
10	63	51	45	40	62	51	44	40	50	44	40	49	44	40	48	43	40	38																											

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	358.1	6.9
10°-20°	959.1	18.5
20°-30°	1287.8	24.8
30°-40°	1056.4	20.3
40°-50°	634.4	12.2
50°-60°	421.6	8.1
60°-70°	282.6	5.4
70°-80°	152.1	2.9
80°-90°	42.9	0.8
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°	2605.0	50.1
0°-40°	3661.4	70.5
0°-60°	4717.3	90.8
0°-90°	5194.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5194.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3876	
5°	3812	358
15°	3418	959
25°	2837	1288
35°	1677	1056
45°	802	634
55°	466	422
65°	287	283
75°	143	152
85°	36	43
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3876.2
2.5°	3847.5
5°	3811.8
7.5°	3732.9
10°	3639.8
12.5°	3525.1
15°	3417.6
17.5°	3288.6
20°	3159.8
22.5°	3016.4
25°	2837.2
27.5°	2622.4
30°	2335.8
32.5°	2013.4
35°	1676.6
37.5°	1390.0
40°	1146.4
42.5°	952.9
45°	802.5
47.5°	680.6
50°	594.6
52.5°	523.0
55°	465.8
57.5°	415.6
60°	372.6
62.5°	322.4
65°	286.6
67.5°	243.6
70°	207.8
72.5°	172.0
75°	143.2
77.5°	114.6
80°	86.0
82.5°	64.5
85°	35.9
87.5°	14.4
90°	0.0



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— 0°-180°







(END OF REPORT)