

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: P203393

Luminaire Tested: **LE_6B60D010R EC6B60708040 6LBMWH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203393
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 EC6B60708040 6LBMWH1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM DISTRIBUTION WITH WHEAT TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6104.0 lumens
Efficiency: N/A
Efficacy: 97.7 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.85
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

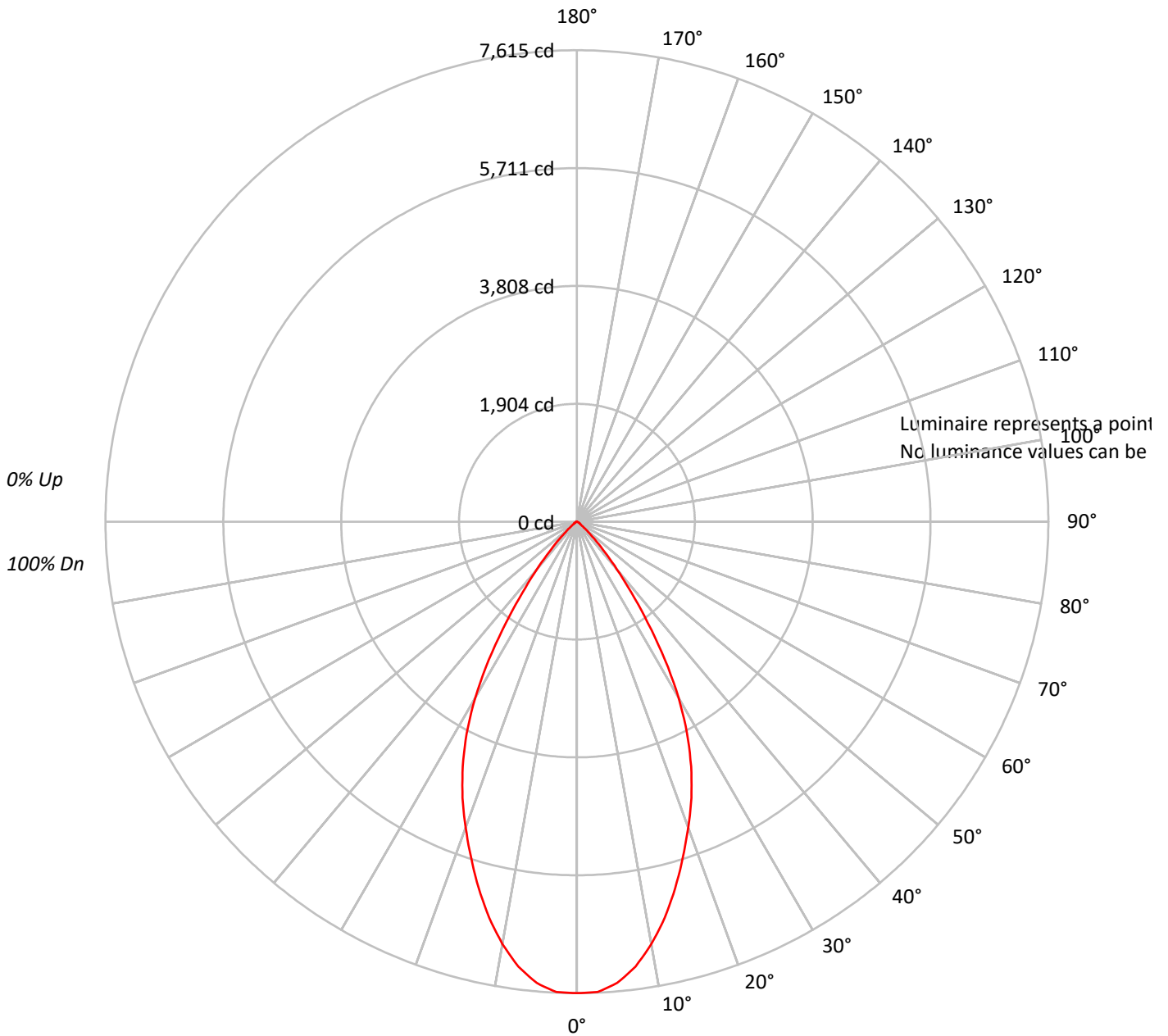
Input Watts (W): 62.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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									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	114	111	108	106	111	109	106	104	105	103	101	101	100	98	97	96	95	94																																				
2	108	103	99	96	106	101	98	95	98	95	93	95	93	91	92	91	89	87																																				
3	103	96	91	87	101	95	90	87	92	88	85	90	87	84	88	85	83	81																																				
4	97	90	85	80	96	89	84	80	87	82	79	85	81	78	83	80	77	76																																				
5	93	84	79	74	91	83	78	74	82	77	73	80	76	73	78	75	72	71																																				
6	88	79	73	69	87	78	73	69	77	72	68	76	71	68	74	70	67	66																																				
7	84	75	69	64	82	74	68	64	73	68	64	71	67	64	70	66	63	62																																				
8	80	70	64	60	78	70	64	60	69	64	60	68	63	60	67	62	59	58																																				
9	76	66	61	57	75	66	60	57	65	60	56	64	59	56	63	59	56	55																																				
10	72	63	57	53	71	62	57	53	62	57	53	61	56	53	60	56	53	52																																				

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	696.1	11.4
10°-20°	1709.0	28.0
20°-30°	1977.4	32.4
30°-40°	1264.0	20.7
40°-50°	358.4	5.9
50°-60°	64.0	1.0
60°-70°	26.2	0.4
70°-80°	9.0	0.1
80°-90°	0.0	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°	4382.6	71.8
0°-40°	5646.5	92.5
0°-60°	6068.8	99.4
0°-90°	6104.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6104.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7615	
5°	7479	696
15°	6129	1709
25°	4363	1977
35°	1995	1264
45°	416	358
55°	59	64
65°	26	26
75°	8	9
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7614.8
2.5°	7606.2
5°	7479.0
7.5°	7249.8
10°	6927.1
12.5°	6553.6
15°	6129.1
17.5°	5687.8
20°	5254.8
22.5°	4830.4
25°	4363.4
27.5°	3854.1
30°	3285.2
32.5°	2648.6
35°	1995.0
37.5°	1443.1
40°	1001.8
42.5°	662.1
45°	416.0
47.5°	246.1
50°	144.4
52.5°	84.9
55°	59.4
57.5°	50.9
60°	42.5
62.5°	34.0
65°	25.5
67.5°	17.0
70°	17.0
72.5°	8.5
75°	8.5
77.5°	8.5
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)