

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: P204111

Luminaire Tested: **LE_6B60D010R EC6B60708027 6LBNMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204111
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 EC6B60708027 6LBNMW1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
NARROW 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: 5154.2 lumens
Efficiency: N/A
Efficacy: 82.5 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.97
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

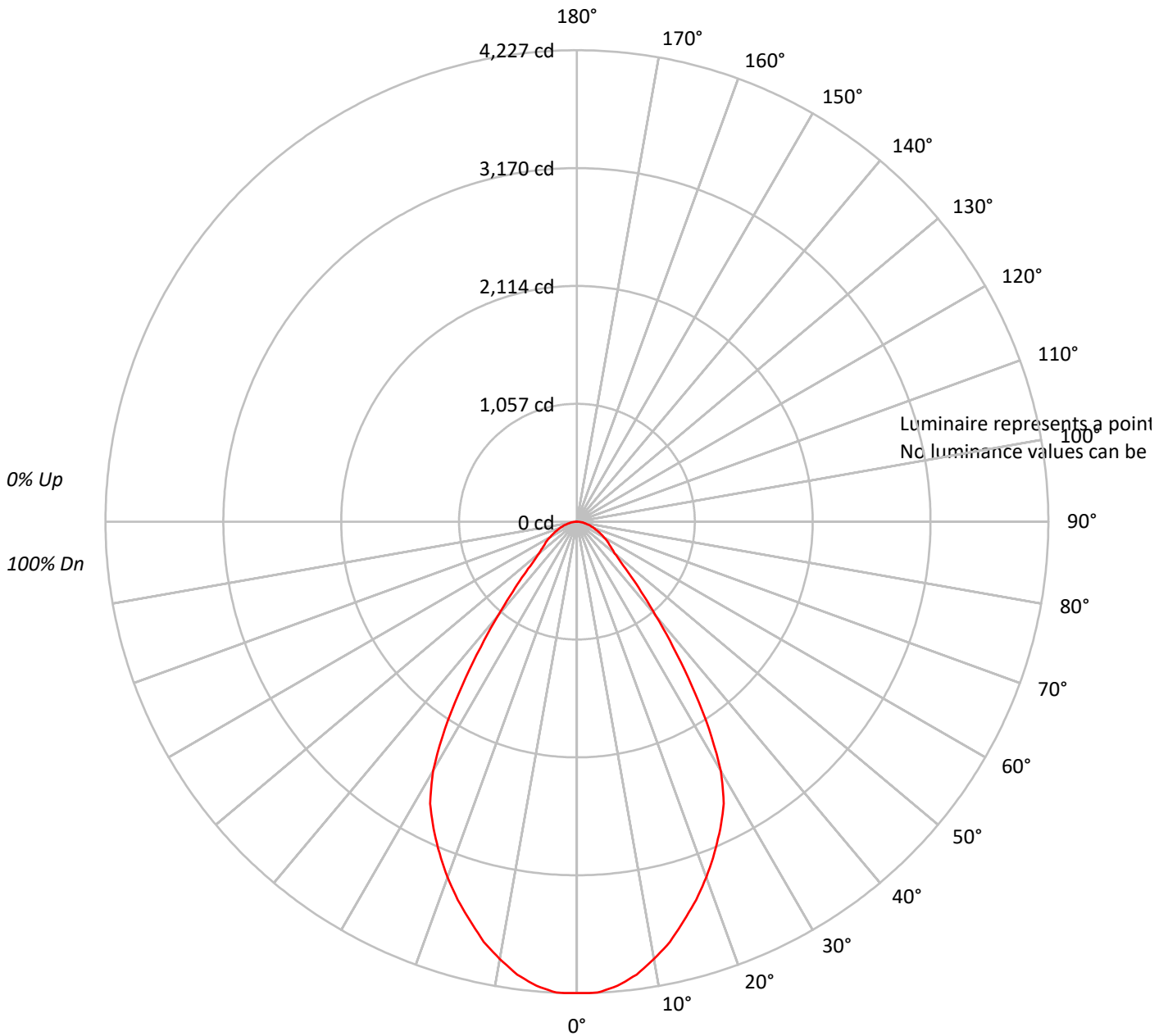
Input Watts (W): 62.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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				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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	112	108	105	103	109	106	103	101	102	100	98	98	97	95	95	93	92	90		
2	105	99	94	90	102	97	92	89	94	90	87	91	87	85	88	85	83	81		
3	98	90	84	79	96	89	83	79	86	81	77	84	80	76	81	78	75	73		
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	75	71	68	66		
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	62	61		
6	81	71	64	59	80	70	63	59	68	63	58	67	62	58	66	61	57	56		
7	77	66	59	54	75	65	59	54	64	58	54	63	57	53	61	57	53	51		
8	72	61	55	50	71	61	54	50	60	54	49	59	53	49	58	53	49	47		
9	69	58	51	46	67	57	51	46	56	50	46	55	50	46	54	49	46	44		
10	65	54	47	43	64	54	47	43	53	47	43	52	46	43	51	46	43	41		

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	392.5	7.6
10°-20°	1040.4	20.2
20°-30°	1389.0	26.9
30°-40°	1120.6	21.7
40°-50°	537.1	10.4
50°-60°	318.3	6.2
60°-70°	211.6	4.1
70°-80°	113.4	2.2
80°-90°	31.2	0.6
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°	2822.0	54.8
0°-40°	3942.6	76.5
0°-60°	4798.0	93.1
0°-90°	5154.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5154.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4227	
5°	4178	393
15°	3703	1040
25°	3039	1389
35°	1794	1121
45°	664	537
55°	352	318
65°	213	212
75°	106	113
85°	25	31
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4227.0
2.5°	4227.0
5°	4177.9
7.5°	4096.0
10°	3981.2
12.5°	3858.4
15°	3702.8
17.5°	3555.2
20°	3391.5
22.5°	3219.4
25°	3039.1
27.5°	2850.8
30°	2580.5
32.5°	2203.6
35°	1794.0
37.5°	1417.2
40°	1097.8
42.5°	852.0
45°	663.5
47.5°	524.2
50°	442.4
52.5°	393.2
55°	352.2
57.5°	319.5
60°	278.5
62.5°	245.8
65°	213.0
67.5°	180.2
70°	155.6
72.5°	131.1
75°	106.5
77.5°	81.9
80°	65.5
82.5°	49.1
85°	24.6
87.5°	8.2
90°	0.0



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— 0°-180°







(END OF REPORT)