

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: P203692

Luminaire Tested: **LE_6B50D010R EC6B30509027 6LBNH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203692
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 EC6B30509027 6LBNH1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
NARROW 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: 3451.7 lumens
Efficiency: N/A
Efficacy: 58.7 lumens/watt
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.84
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

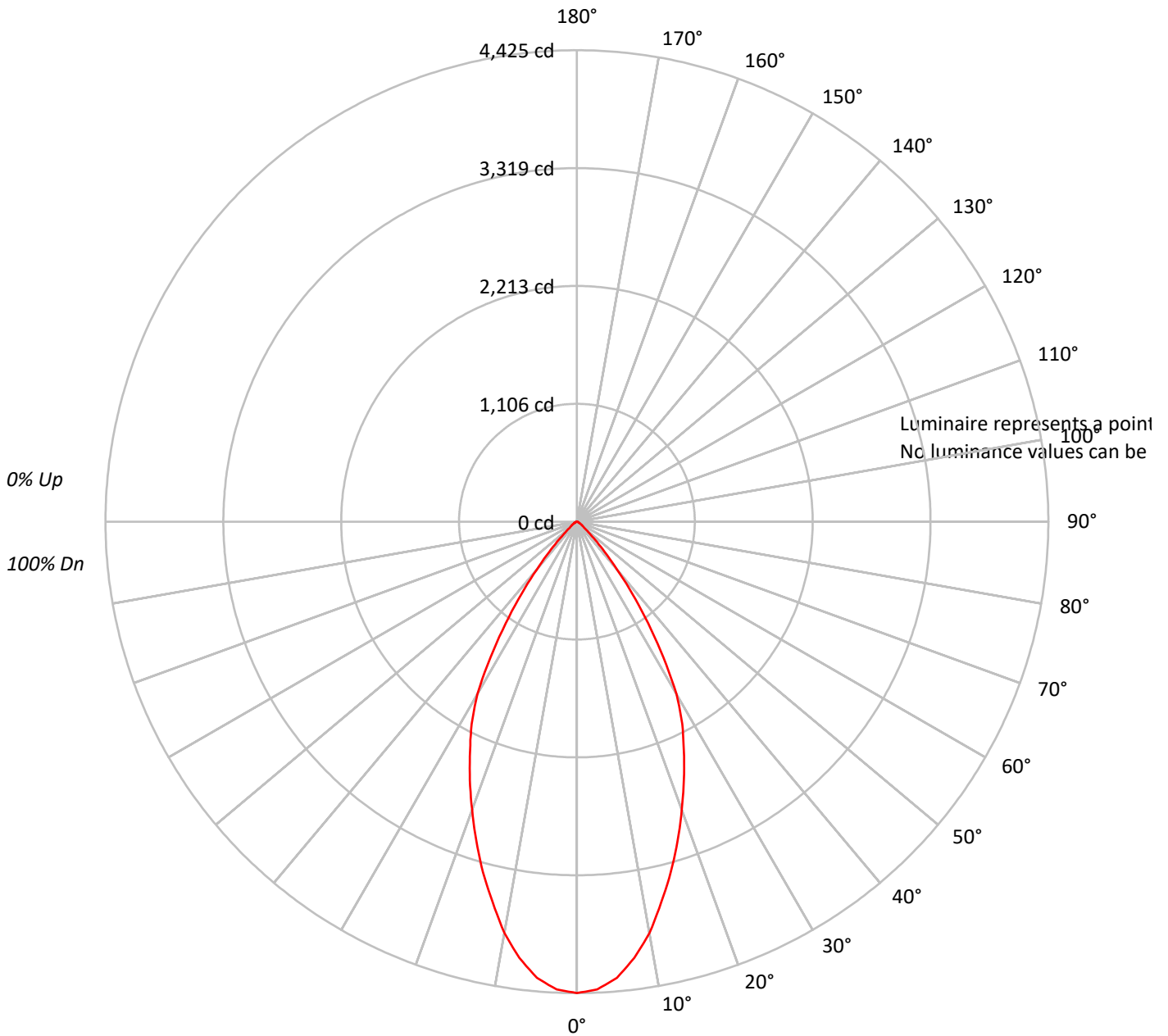
Input Watts (W): 58.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	109	106	104	105	103	101	101	99	98	97	96	95	93			
2	108	103	99	96	106	101	98	94	98	95	92	95	93	90	92	90	89	87			
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81			
4	97	90	84	80	95	89	83	79	86	82	78	84	81	78	83	79	77	75			
5	92	84	78	74	91	83	78	73	81	76	73	80	75	72	78	74	72	70			
6	88	79	73	69	86	78	72	68	77	72	68	75	71	67	74	70	67	65			
7	83	74	68	64	82	73	68	64	72	67	63	71	66	63	70	66	63	61			
8	79	70	64	60	78	69	64	60	68	63	59	67	63	59	66	62	59	58			
9	76	66	60	56	75	66	60	56	65	59	56	64	59	56	63	59	55	54			
10	72	62	57	53	71	62	57	53	61	56	53	60	56	52	60	55	52	51			

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	397.9	11.5
10°-20°	948.9	27.5
20°-30°	1087.1	31.5
30°-40°	730.4	21.2
40°-50°	208.7	6.0
50°-60°	51.0	1.5
60°-70°	19.4	0.6
70°-80°	7.4	0.2
80°-90°	0.8	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°	2434.0	70.5
0°-40°	3164.4	91.7
0°-60°	3424.1	99.2
0°-90°	3451.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3451.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4425	
5°	4299	398
15°	3405	949
25°	2373	1087
35°	1164	730
45°	239	209
55°	57	51
65°	19	19
75°	6	7
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4424.9
2.5°	4393.4
5°	4299.0
7.5°	4129.1
10°	3921.4
12.5°	3657.0
15°	3405.2
17.5°	3140.9
20°	2876.5
22.5°	2624.8
25°	2373.0
27.5°	2140.1
30°	1869.4
32.5°	1510.6
35°	1164.5
37.5°	849.8
40°	585.4
42.5°	384.0
45°	239.1
47.5°	144.8
50°	88.1
52.5°	69.2
55°	56.6
57.5°	44.0
60°	31.5
62.5°	25.1
65°	18.9
67.5°	12.6
70°	12.6
72.5°	6.2
75°	6.2
77.5°	6.2
80°	6.2
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)