

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: P202972

Luminaire Tested: **LE_6B50D010R EC6B30509030 6LBWGPH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P202972
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 EC6B30509030 6LBWGPH1
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT
WIDE DISTRIBUTIONWITH GRAPHITE HAZE TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3798.1 lumens
Efficiency: N/A
Efficacy: 64.6 lumens/watt
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.11
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

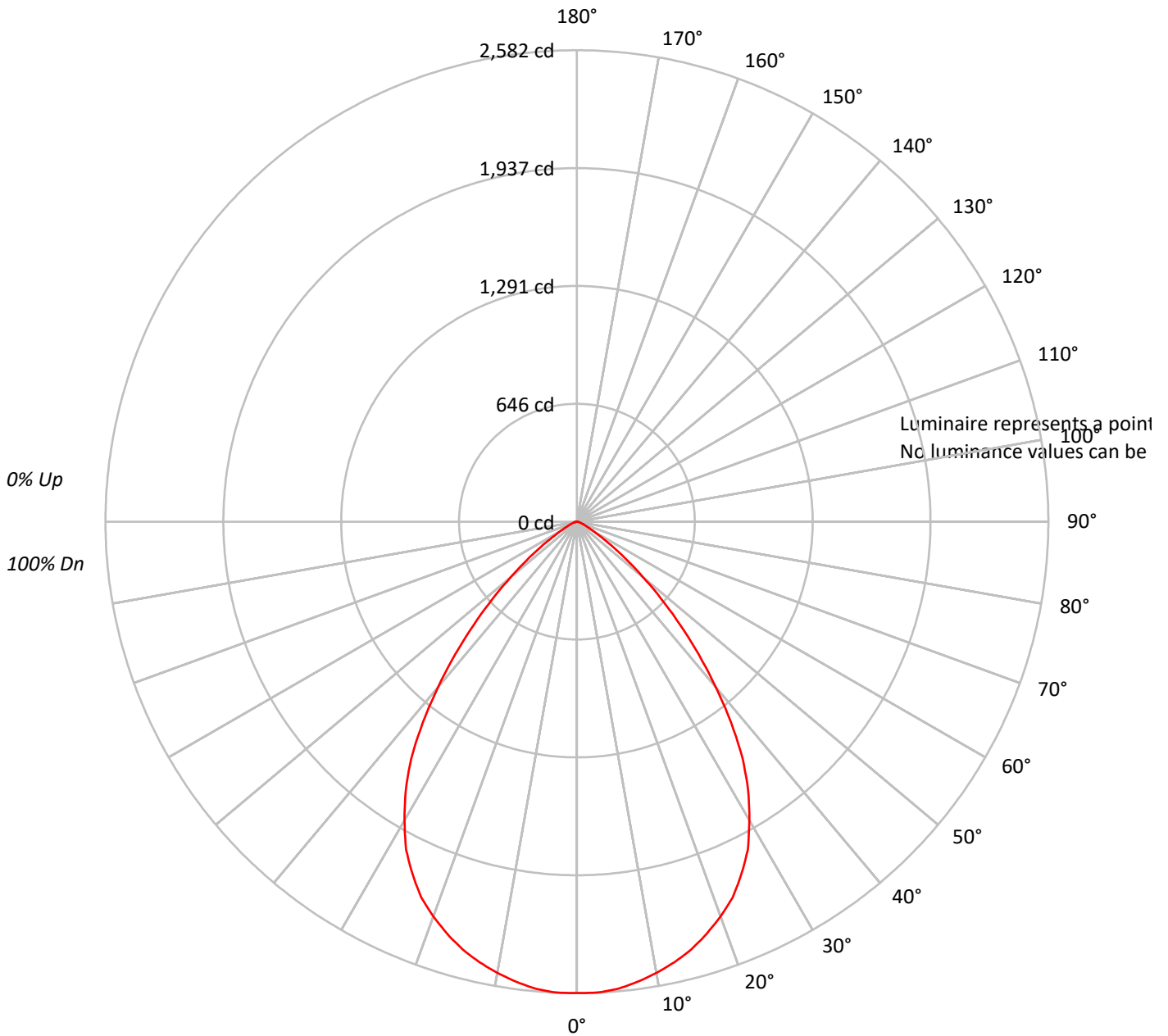
Input Watts (W): 58.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82		
3	99	91	85	81	97	90	84	80	87	82	79	85	81	77	82	79	76	74		
4	93	84	77	72	91	82	76	72	80	75	71	78	74	70	76	72	69	67		
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	61		
6	81	71	64	59	80	70	63	59	68	62	58	67	62	58	65	61	57	56		
7	76	65	58	53	75	65	58	53	63	57	53	62	57	53	61	56	52	51		
8	72	61	54	49	70	60	53	49	59	53	49	58	52	48	57	52	48	47		
9	68	57	50	45	66	56	49	45	55	49	45	54	48	45	53	48	44	43		
10	64	53	46	42	63	52	46	42	51	45	41	51	45	41	50	45	41	40		

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	243.2	6.4
10°-20°	682.0	18.0
20°-30°	975.7	25.7
30°-40°	972.5	25.6
40°-50°	619.4	16.3
50°-60°	228.4	6.0
60°-70°	57.1	1.5
70°-80°	17.2	0.5
80°-90°	2.6	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°	1900.9	50.0
0°-40°	2873.4	75.7
0°-60°	3721.2	98.0
0°-90°	3798.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3798.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2582	
5°	2568	243
15°	2425	682
25°	2130	976
35°	1582	973
45°	797	619
55°	242	228
65°	52	57
75°	13	17
85°	0	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2581.5
2.5°	2581.5
5°	2568.4
7.5°	2542.2
10°	2509.6
12.5°	2470.4
15°	2424.6
17.5°	2365.8
20°	2300.4
22.5°	2228.5
25°	2130.5
27.5°	2026.0
30°	1888.8
32.5°	1744.9
35°	1581.5
37.5°	1385.5
40°	1182.9
42.5°	986.9
45°	797.2
47.5°	627.4
50°	470.5
52.5°	346.4
55°	241.8
57.5°	156.9
60°	104.6
62.5°	71.9
65°	52.2
67.5°	39.2
70°	32.6
72.5°	19.6
75°	13.1
77.5°	13.1
80°	6.5
82.5°	6.5
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)