

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: P202974

Luminaire Tested: **LE_6B50D010R EC6B30509040 6LBWGPH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P202974
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 EC6B30509040 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: 3859.0 lumens
Efficiency: N/A
Efficacy: 65.6 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

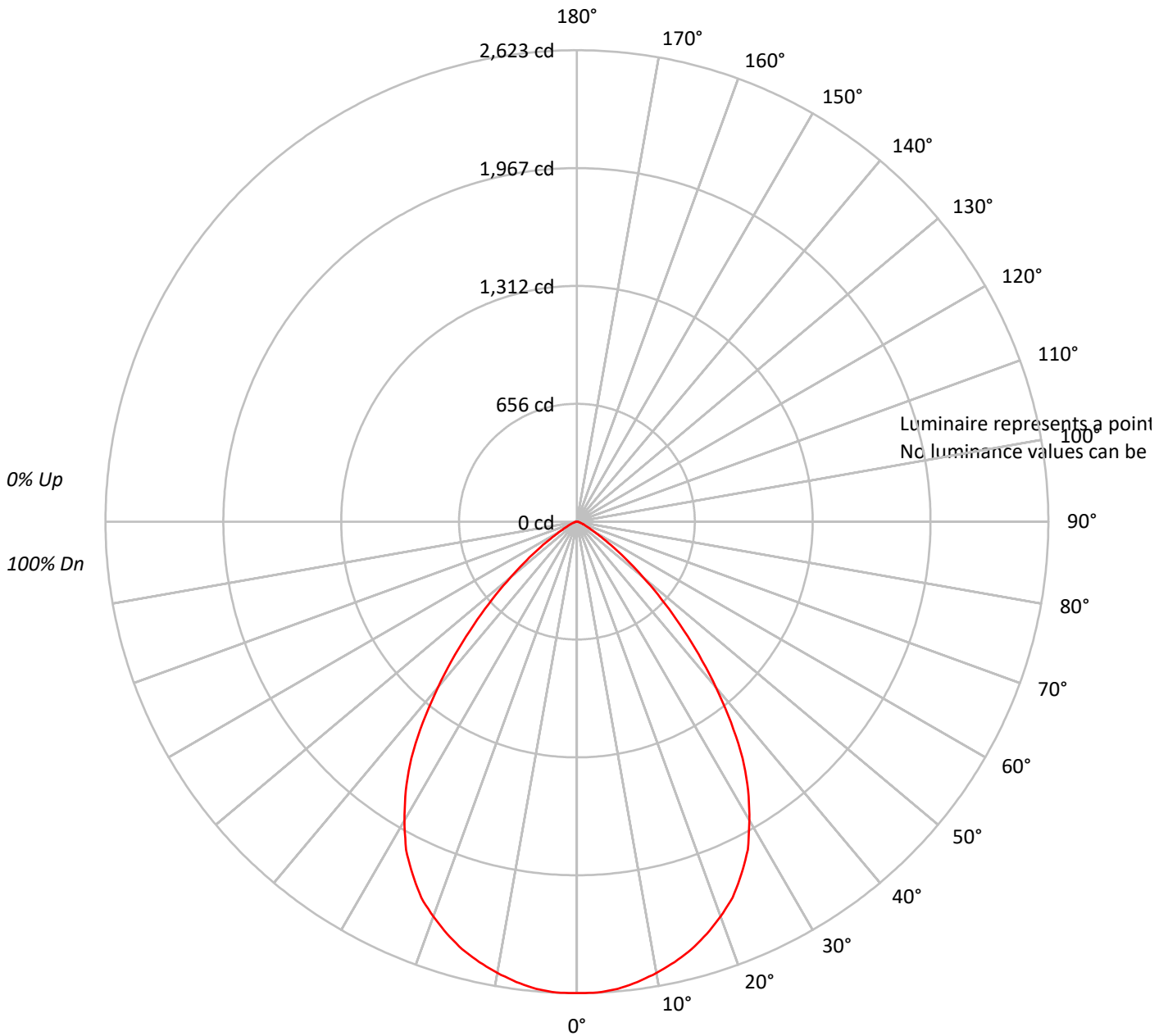
Input Watts (W): 58.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
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°	247.1	6.4
10°-20°	692.9	18.0
20°-30°	991.3	25.7
30°-40°	988.1	25.6
40°-50°	629.3	16.3
50°-60°	232.0	6.0
60°-70°	58.0	1.5
70°-80°	17.4	0.5
80°-90°	2.7	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°	1931.3	50.0
0°-40°	2919.5	75.7
0°-60°	3780.9	98.0
0°-90°	3859.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3859.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2623	
5°	2610	247
15°	2464	693
25°	2165	991
35°	1607	988
45°	810	629
55°	246	232
65°	53	58
75°	13	17
85°	0	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2622.9
2.5°	2622.9
5°	2609.6
7.5°	2583.0
10°	2549.8
12.5°	2510.0
15°	2463.5
17.5°	2403.8
20°	2337.4
22.5°	2264.2
25°	2164.6
27.5°	2058.5
30°	1919.0
32.5°	1772.9
35°	1606.9
37.5°	1407.8
40°	1201.9
42.5°	1002.6
45°	810.1
47.5°	637.5
50°	478.1
52.5°	351.9
55°	245.6
57.5°	159.4
60°	106.2
62.5°	73.0
65°	53.1
67.5°	39.9
70°	33.2
72.5°	19.9
75°	13.2
77.5°	13.2
80°	6.6
82.5°	6.6
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)