

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: P203796

Luminaire Tested: **LE_6B50D010R EC6B30509030 6LBNWH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203796
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 6LBNWH1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
NARROW DISTRIBUTION WITH WHEAT TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3843.9 lumens
Efficiency: N/A
Efficacy: 65.4 lumens/watt
Spacing Criteria (0/90/45): 0.56 / 0.56 / 0.64
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

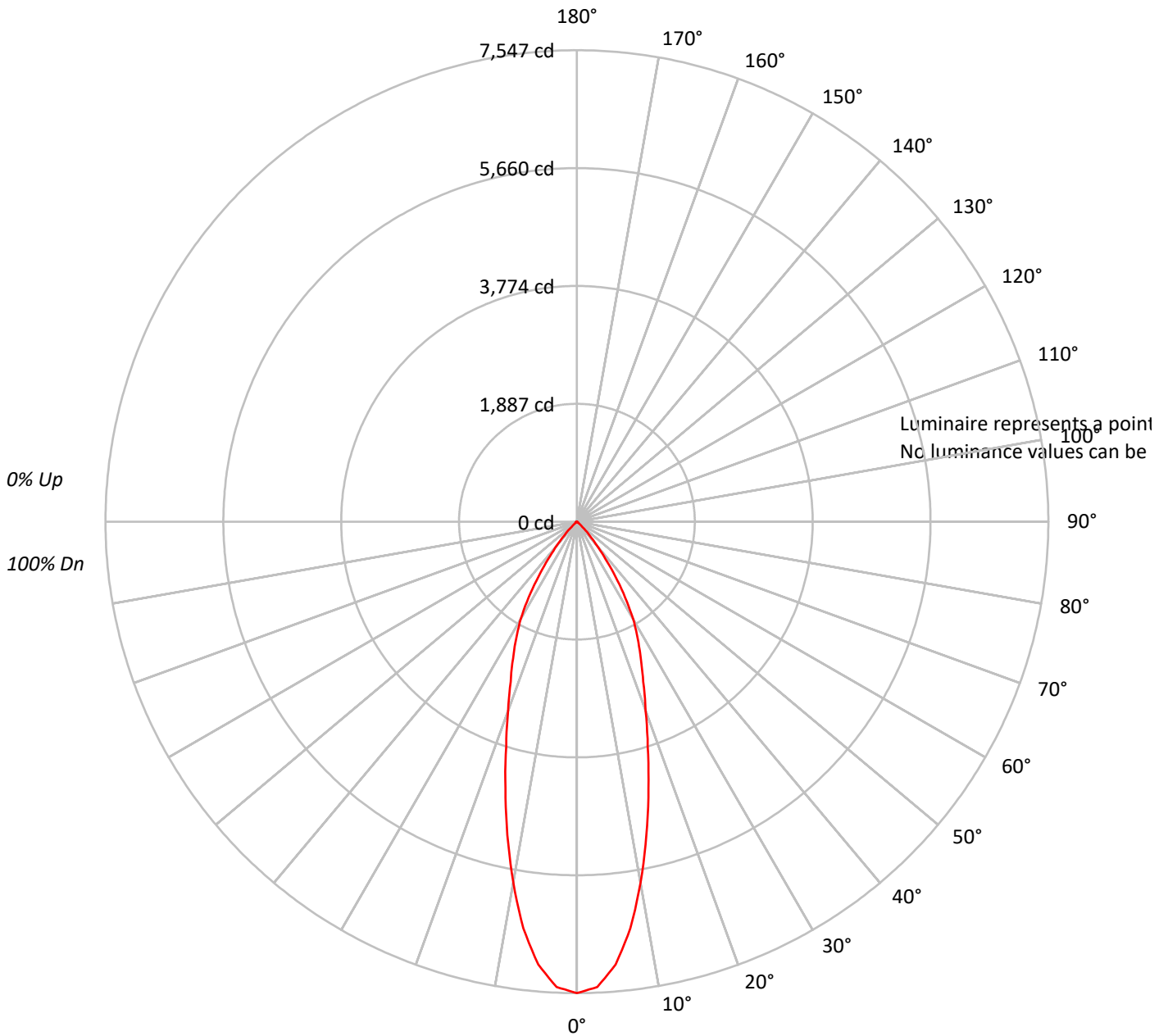
Input Watts (W): 58.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	109	107	112	109	107	105	105	104	102	101	100	99	98	97	96	94																												
2	109	104	101	97	107	103	99	96	99	97	94	96	94	92	94	92	90	89																												
3	104	98	93	90	102	97	92	89	94	91	88	92	89	86	89	87	85	83																												
4	99	92	87	83	97	91	86	83	89	85	82	87	84	81	85	82	80	79																												
5	95	87	82	78	93	86	81	77	84	80	77	83	79	76	81	78	75	74																												
6	91	82	77	73	89	82	76	73	80	76	72	79	75	72	78	74	71	70																												
7	87	78	73	69	85	77	72	69	76	72	68	75	71	68	74	70	67	66																												
8	83	74	69	65	82	74	68	65	73	68	65	72	67	64	71	67	64	63																												
9	79	71	65	62	78	70	65	61	69	65	61	68	64	61	68	64	61	60																												
10	76	67	62	58	75	67	62	58	66	61	58	65	61	58	65	61	58	57																												

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	638.8	16.6
10°-20°	1227.6	31.9
20°-30°	1116.0	29.0
30°-40°	676.5	17.6
40°-50°	154.0	4.0
50°-60°	19.6	0.5
60°-70°	8.8	0.2
70°-80°	2.5	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°	2982.4	77.6
0°-40°	3658.9	95.2
0°-60°	3832.5	99.7
0°-90°	3843.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3843.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7547	
5°	7115	639
15°	4421	1228
25°	2420	1116
35°	1072	676
45°	170	154
55°	20	20
65°	6	9
75°	0	3
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7546.8
2.5°	7455.2
5°	7115.2
7.5°	6565.9
10°	5866.1
12.5°	5140.2
15°	4420.9
17.5°	3766.9
20°	3217.5
22.5°	2772.9
25°	2419.6
27.5°	2105.8
30°	1798.4
32.5°	1438.8
35°	1072.5
37.5°	752.1
40°	497.0
42.5°	307.4
45°	170.0
47.5°	78.5
50°	32.8
52.5°	26.1
55°	19.6
57.5°	19.6
60°	13.1
62.5°	13.1
65°	6.5
67.5°	6.5
70°	6.5
72.5°	6.5
75°	0.0
77.5°	0.0
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)