

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: P252824

Luminaire Tested: **LE_6B50D010R EC6B30509030 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252824
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1712-453-2)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LE_6B50D010R EC6B30509030 6LBBA1MW
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7260.1 lumens
Efficiency: N/A
Efficacy: 123.5 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

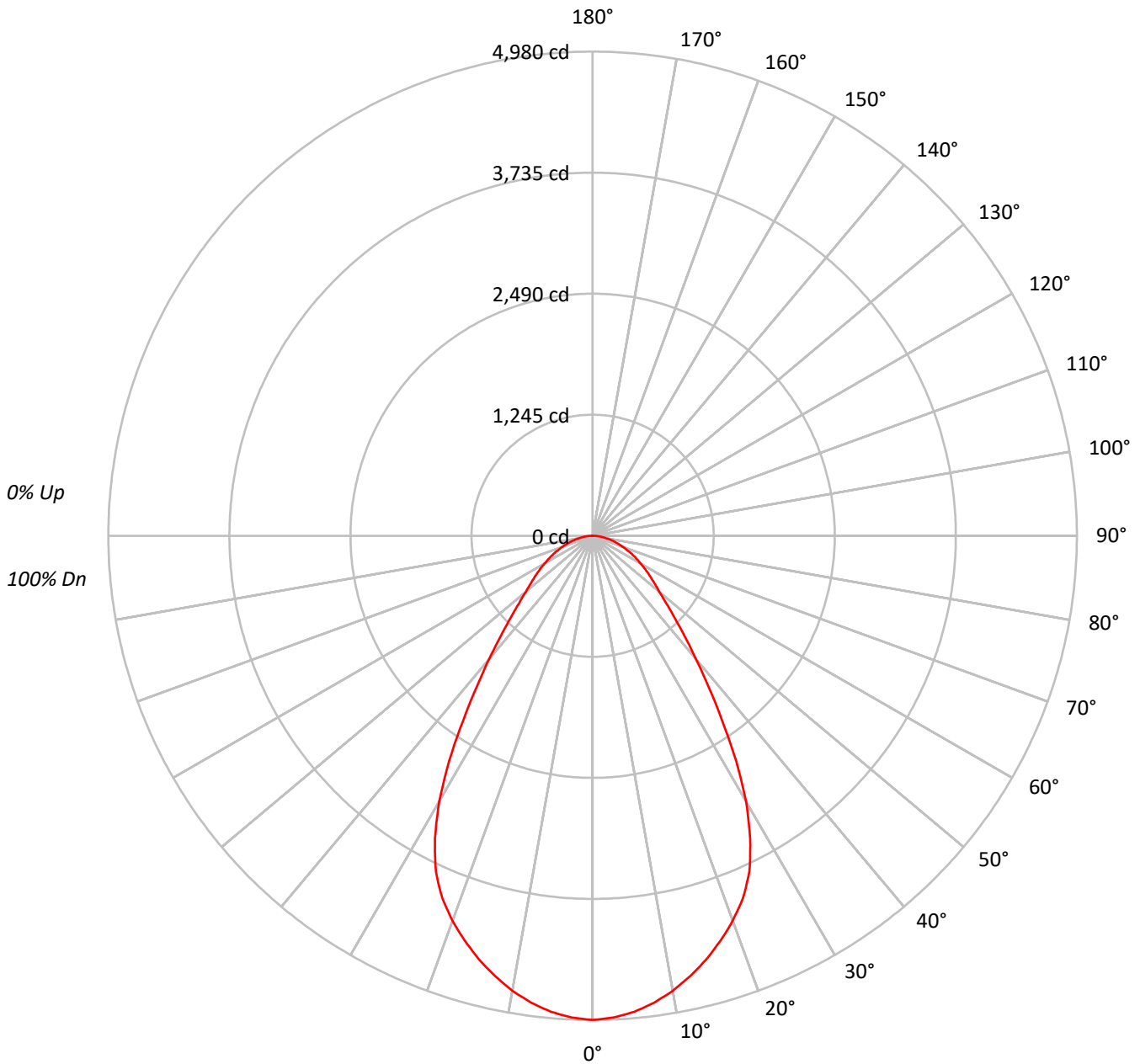
Input Watts (W): 58.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	88			
2	103	97	91	87	101	95	90	86	91	87	84	88	85	82	85	83	80	78			
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	69			
4	90	80	72	67	87	78	72	66	76	70	66	74	69	65	72	68	64	62			
5	84	73	65	60	82	72	65	60	70	64	59	68	63	58	66	62	58	56			
6	78	67	60	54	77	66	59	54	65	58	54	63	57	53	62	57	53	51			
7	74	62	55	49	72	61	54	49	60	53	49	59	53	49	57	52	48	47			
8	69	58	50	45	68	57	50	45	56	49	45	55	49	45	53	48	44	43			
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	45	41	39			
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	324866
5°	321883
10°	314793
15°	304790
20°	292492
25°	274580
30°	237594
35°	184997
40°	140608
45°	109610
50°	90920
55°	81600
60°	74270
65°	68541
70°	62986
75°	58354
80°	52749
85°	48282



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	463.9	6.4
10°-20°	1267.9	17.5
20°-30°	1726.9	23.8
30°-40°	1461.2	20.1
40°-50°	937.5	12.9
50°-60°	645.1	8.9
60°-70°	440.7	6.1
70°-80°	245.2	3.4
80°-90°	71.8	1.0
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°	3458.7	47.6
0°-40°	4919.9	67.8
0°-60°	6502.5	89.6
0°-90°	7260.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7260.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4980	
5°	4915	464
15°	4513	1268
25°	3814	1727
35°	2323	1461
45°	1188	937
55°	717	645
65°	444	441
75°	232	245
85°	64	72
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4979.5
2.5°	4960.5
5°	4915.0
7.5°	4842.9
10°	4751.8
12.5°	4637.9
15°	4512.6
17.5°	4368.5
20°	4212.9
22.5°	4038.2
25°	3814.4
27.5°	3510.8
30°	3153.9
32.5°	2744.0
35°	2322.8
37.5°	1954.6
40°	1651.0
42.5°	1396.8
45°	1188.0
47.5°	1024.8
50°	895.8
52.5°	797.0
55°	717.4
57.5°	641.4
60°	569.2
62.5°	504.8
65°	444.0
67.5°	383.4
70°	330.2
72.5°	277.0
75°	231.5
77.5°	186.0
80°	140.4
82.5°	102.5
85°	64.5
87.5°	26.6
90°	0.0



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— 0°-180°







(END OF REPORT)