

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: P252826

Luminaire Tested: **LE_6B50D010R EC6B30509040 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252826
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 EC6B30509040 6LBBA1MW
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7376.2 lumens
Efficiency: N/A
Efficacy: 125.4 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

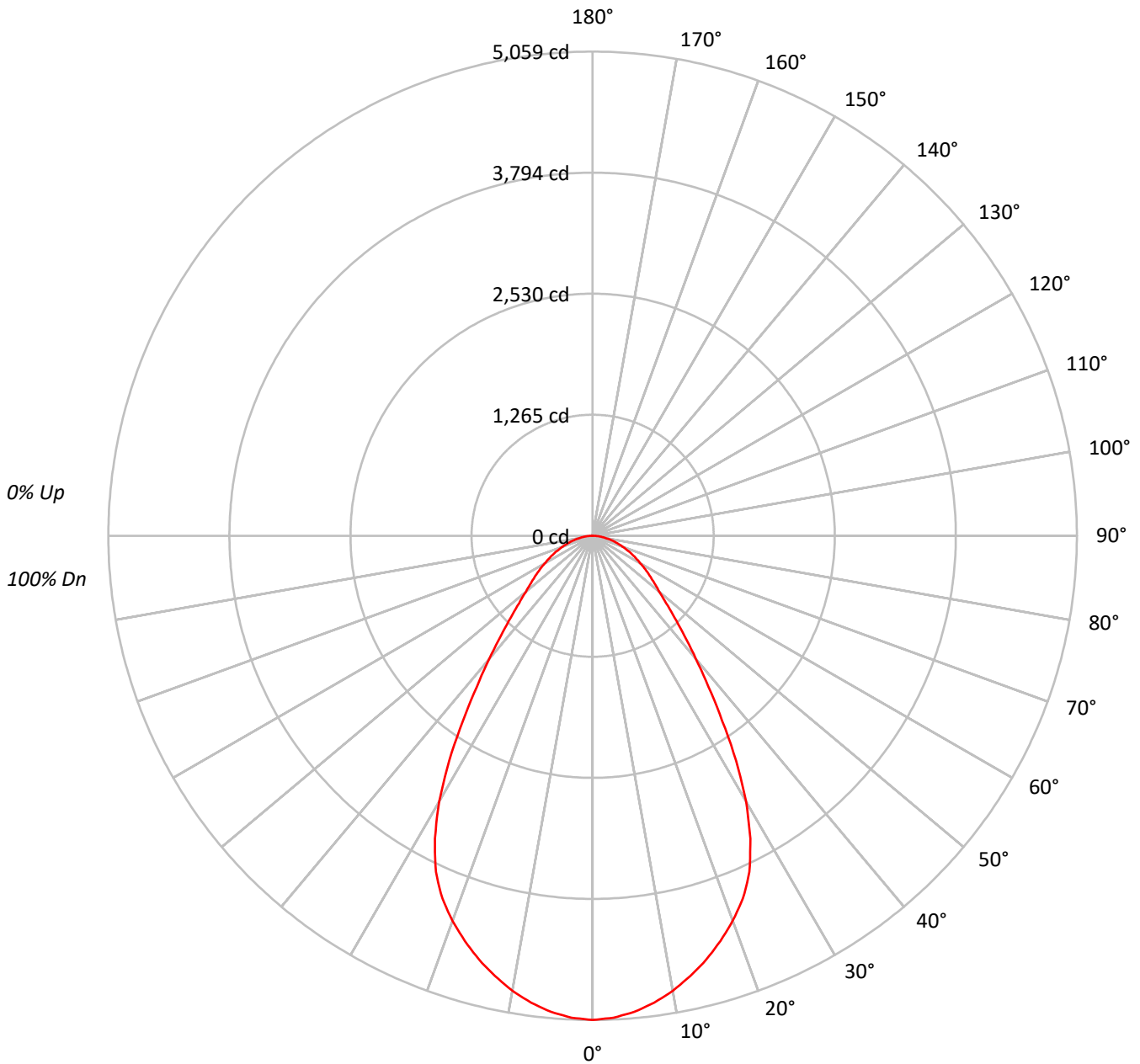
Input Watts (W): 58.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			100
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	88			88
2	103	97	91	87	101	95	90	86	91	87	84	88	85	82	85	83	80	78			78
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	69			69
4	90	80	72	67	87	78	72	66	76	70	66	74	69	65	72	68	64	62			62
5	84	73	65	60	82	72	65	60	70	64	59	68	63	58	66	62	58	56			56
6	78	67	60	54	77	66	59	54	65	58	54	63	57	53	62	57	53	51			51
7	74	62	55	49	72	61	54	49	60	53	49	59	53	49	57	52	48	47			47
8	69	58	50	45	68	57	50	45	56	49	45	55	49	45	53	48	44	43			43
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	45	41	39			39
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37			37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	330065
5°	327030
10°	319834
15°	309674
20°	297164
25°	278971
30°	241398
35°	187960
40°	142857
45°	111363
50°	92362
55°	82896
60°	75470
65°	69637
70°	63997
75°	59287
80°	53576
85°	49030



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	471.3	6.4
10°-20°	1288.2	17.5
20°-30°	1754.5	23.8
30°-40°	1484.6	20.1
40°-50°	952.4	12.9
50°-60°	655.4	8.9
60°-70°	447.7	6.1
70°-80°	249.1	3.4
80°-90°	72.9	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°	3514.0	47.6
0°-40°	4998.7	67.8
0°-60°	6606.4	89.6
0°-90°	7376.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7376.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5059	
5°	4994	471
15°	4585	1288
25°	3875	1754
35°	2360	1485
45°	1207	952
55°	729	655
65°	451	448
75°	235	249
85°	66	73
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5059.2
2.5°	5040.0
5°	4993.6
7.5°	4920.4
10°	4827.9
12.5°	4712.1
15°	4584.9
17.5°	4438.4
20°	4280.2
22.5°	4102.9
25°	3875.4
27.5°	3566.9
30°	3204.4
32.5°	2788.0
35°	2360.0
37.5°	1985.9
40°	1677.4
42.5°	1419.0
45°	1207.0
47.5°	1041.1
50°	910.0
52.5°	809.8
55°	728.8
57.5°	651.6
60°	578.4
62.5°	512.9
65°	451.1
67.5°	389.5
70°	335.5
72.5°	281.5
75°	235.2
77.5°	189.0
80°	142.6
82.5°	104.1
85°	65.5
87.5°	27.0
90°	0.0



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— 0°-180°







(END OF REPORT)