

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: P252817

Luminaire Tested: **LE_6B50D010R EC6B30508027 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252817
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 EC6B30508027 6LBBA1MW
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8131.2 lumens
Efficiency: N/A
Efficacy: 138.3 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

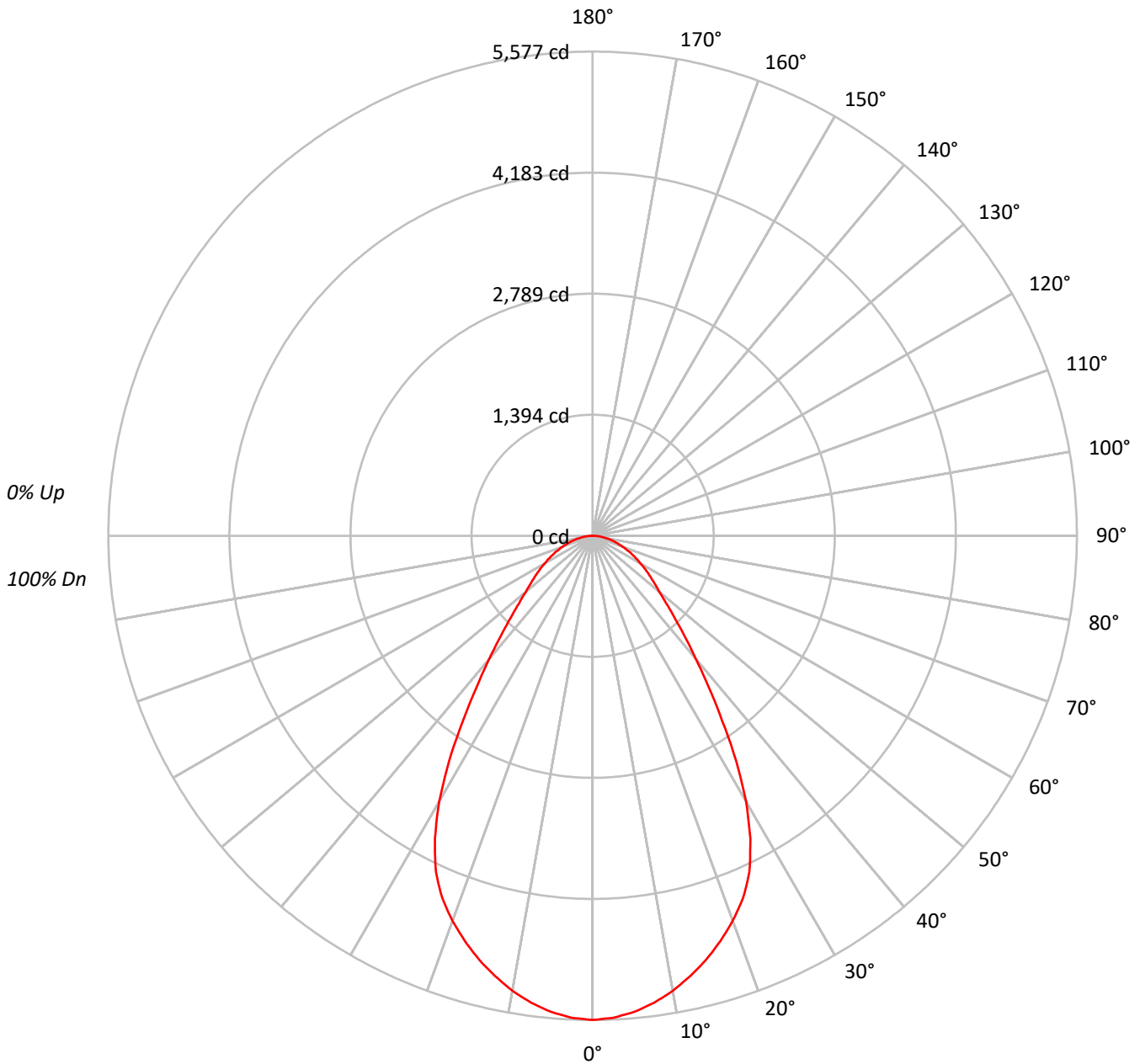
Input Watts (W): 58.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				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°	363853
5°	360508
10°	352567
15°	341371
20°	327587
25°	307527
30°	266108
35°	207194
40°	157480
45°	122757
50°	101821
55°	91382
60°	83195
65°	76785
70°	70559
75°	65337
80°	59061
85°	54045



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	519.6	6.4
10°-20°	1420.1	17.5
20°-30°	1934.1	23.8
30°-40°	1636.6	20.1
40°-50°	1049.9	12.9
50°-60°	722.5	8.9
60°-70°	493.6	6.1
70°-80°	274.6	3.4
80°-90°	80.4	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°	3873.7	47.6
0°-40°	5510.3	67.8
0°-60°	7282.7	89.6
0°-90°	8131.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8131.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5577	
5°	5505	520
15°	5054	1420
25°	4272	1934
35°	2602	1637
45°	1330	1050
55°	803	722
65°	497	494
75°	259	275
85°	72	80
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5577.1
2.5°	5555.9
5°	5504.8
7.5°	5424.0
10°	5322.0
12.5°	5194.5
15°	5054.2
17.5°	4892.8
20°	4718.4
22.5°	4522.9
25°	4272.1
27.5°	3932.0
30°	3532.4
32.5°	3073.4
35°	2601.5
37.5°	2189.1
40°	1849.1
42.5°	1564.2
45°	1330.5
47.5°	1147.8
50°	1003.2
52.5°	892.6
55°	803.4
57.5°	718.4
60°	637.6
62.5°	565.4
65°	497.4
67.5°	429.4
70°	369.9
72.5°	310.2
75°	259.2
77.5°	208.2
80°	157.2
82.5°	114.8
85°	72.2
87.5°	29.8
90°	0.0



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— 0°-180°







(END OF REPORT)