

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: P252759

Luminaire Tested: **LE_6B10D010 EC6B10209030 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252759
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_6B10D010 EC6B10209030 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: 1443.7 lumens
Efficiency: N/A
Efficacy: 144.4 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

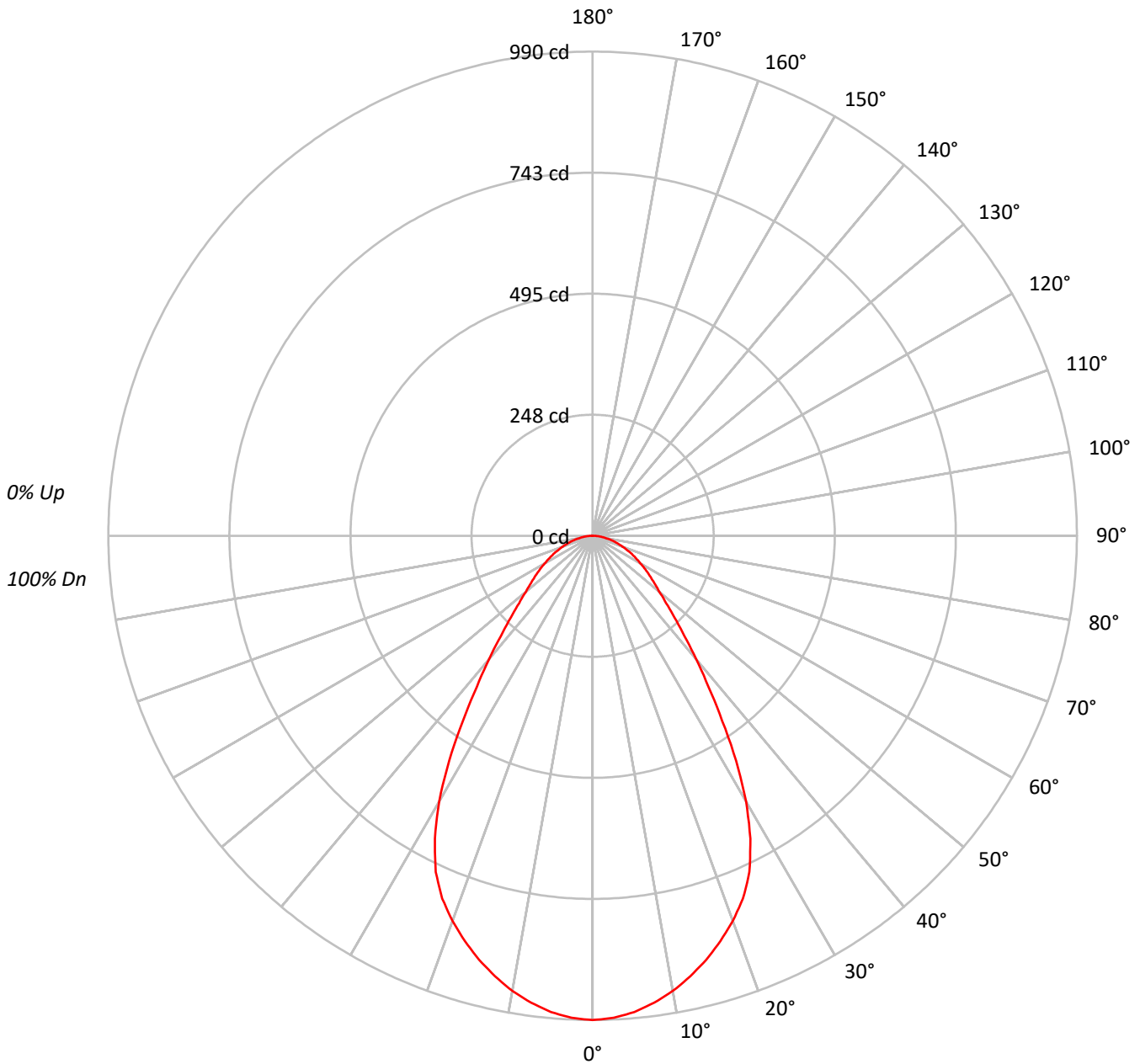
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	88	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°	64601
5°	64010
10°	62603
15°	60612
20°	58166
25°	54601
30°	47249
35°	36788
40°	27968
45°	21793
50°	18077
55°	16220
60°	14770
65°	13616
70°	12513
75°	11595
80°	10482
85°	9656



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.3	6.4
10°-20°	252.2	17.5
20°-30°	343.4	23.8
30°-40°	290.6	20.1
40°-50°	186.4	12.9
50°-60°	128.3	8.9
60°-70°	87.6	6.1
70°-80°	48.7	3.4
80°-90°	14.3	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°	687.8	47.6
0°-40°	978.4	67.8
0°-60°	1293.1	89.6
0°-90°	1443.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1443.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	990	
5°	977	92
15°	897	252
25°	758	343
35°	462	291
45°	236	186
55°	143	128
65°	88	88
75°	46	49
85°	13	14
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	990.2
2.5°	986.5
5°	977.4
7.5°	963.1
10°	945.0
12.5°	922.4
15°	897.4
17.5°	868.8
20°	837.8
22.5°	803.0
25°	758.5
27.5°	698.1
30°	627.2
32.5°	545.8
35°	461.9
37.5°	388.8
40°	328.4
42.5°	277.8
45°	236.2
47.5°	203.8
50°	178.1
52.5°	158.5
55°	142.6
57.5°	127.5
60°	113.2
62.5°	100.4
65°	88.2
67.5°	76.2
70°	65.6
72.5°	55.1
75°	46.0
77.5°	37.0
80°	27.9
82.5°	20.4
85°	12.9
87.5°	5.2
90°	0.0



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— 0°-180°







(END OF REPORT)