

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: P252774

Luminaire Tested: **LE_6B15D010 EC6B10209040 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252774
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_6B15D010 EC6B10209040 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: 2023.8 lumens
Efficiency: N/A
Efficacy: 140.5 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

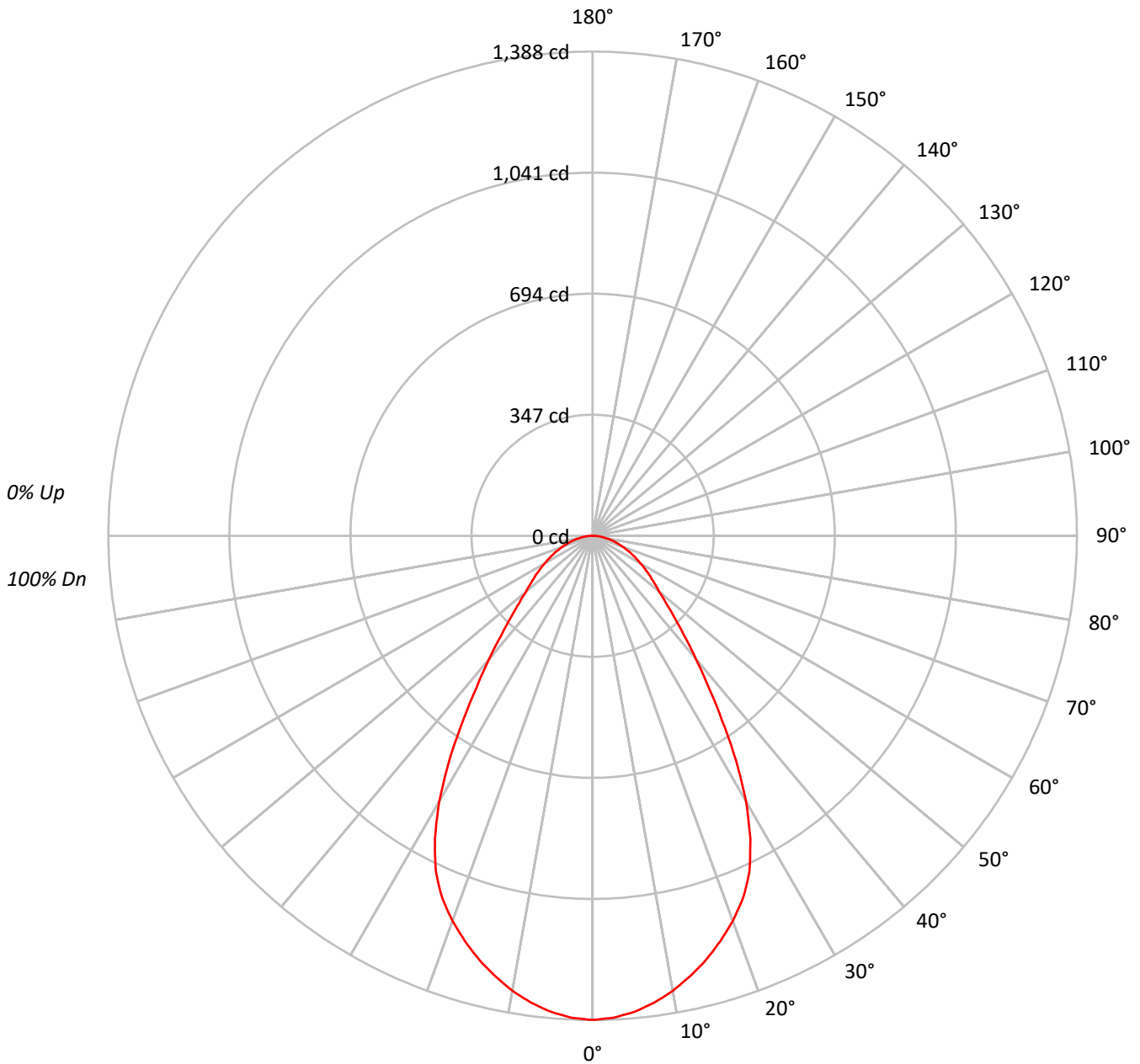
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	90554
5°	89728
10°	87751
15°	84961
20°	81536
25°	76535
30°	66226
35°	51570
40°	39193
45°	30549
50°	25334
55°	22749
60°	20720
65°	19111
70°	17549
75°	16259
80°	14690
85°	13474



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.3	6.4
10°-20°	353.4	17.5
20°-30°	481.3	23.8
30°-40°	407.3	20.1
40°-50°	261.3	12.9
50°-60°	179.8	8.9
60°-70°	122.9	6.1
70°-80°	68.3	3.4
80°-90°	20.0	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°	964.1	47.6
0°-40°	1371.4	67.8
0°-60°	1812.5	89.6
0°-90°	2023.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2023.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1388	
5°	1370	129
15°	1258	353
25°	1063	481
35°	648	407
45°	331	261
55°	200	180
65°	124	123
75°	64	68
85°	18	20
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1388.0
2.5°	1382.8
5°	1370.1
7.5°	1350.0
10°	1324.6
12.5°	1292.9
15°	1257.9
17.5°	1217.8
20°	1174.4
22.5°	1125.6
25°	1063.2
27.5°	978.6
30°	879.1
32.5°	764.9
35°	647.5
37.5°	544.9
40°	460.2
42.5°	389.4
45°	331.1
47.5°	285.6
50°	249.6
52.5°	222.1
55°	200.0
57.5°	178.8
60°	158.8
62.5°	140.8
65°	123.8
67.5°	106.9
70°	92.0
72.5°	77.2
75°	64.5
77.5°	51.9
80°	39.1
82.5°	28.6
85°	18.0
87.5°	7.4
90°	0.0



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— 0°-180°







(END OF REPORT)