

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: P252797

Luminaire Tested: **LE_6B30D010 EC6B30509027 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252797
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_6B30D010 EC6B30509027 6LBBA1MW
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3859.9 lumens
Efficiency: N/A
Efficacy: 137.9 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

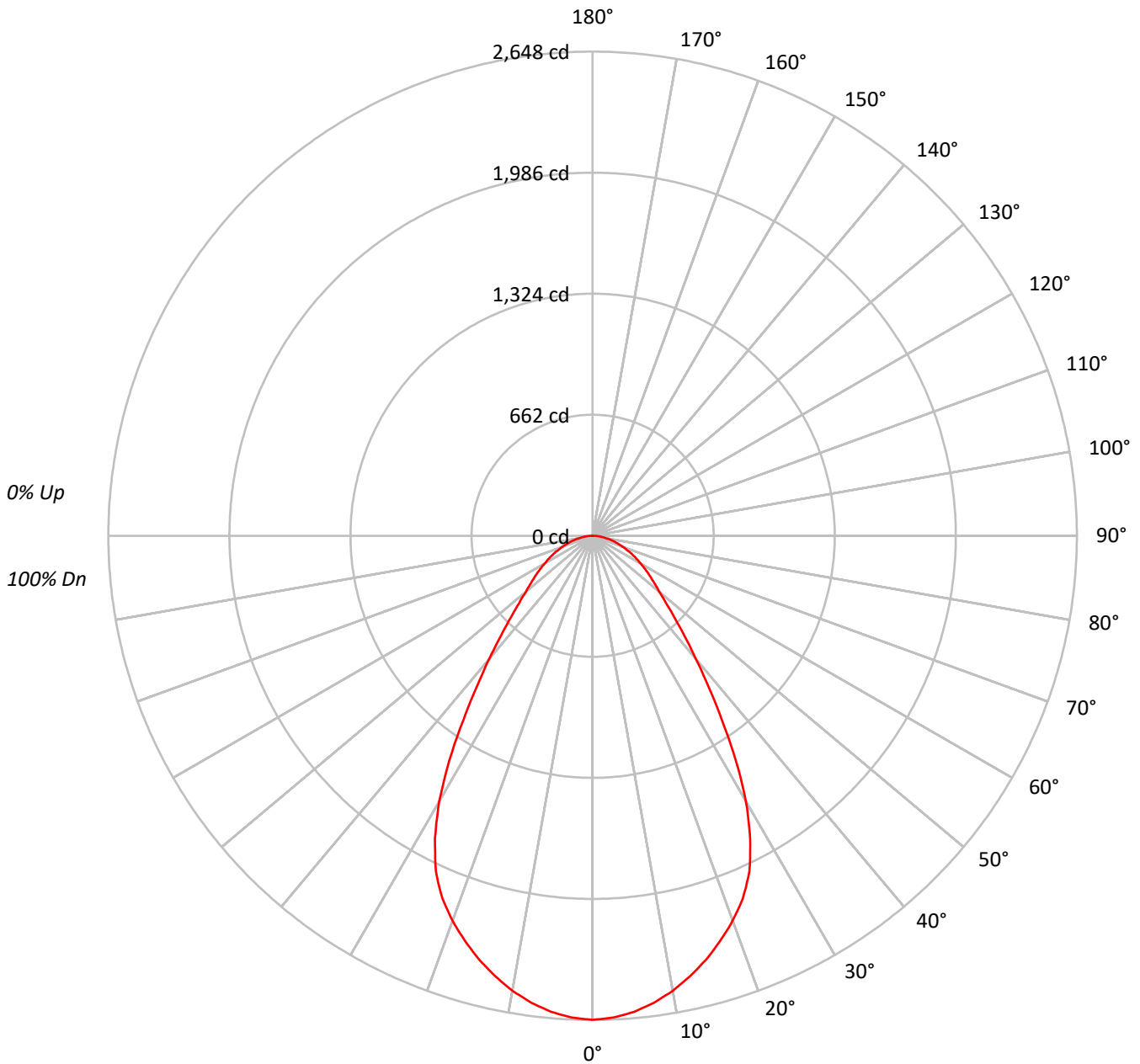
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	172725
5°	171138
10°	167367
15°	162047
20°	155511
25°	145986
30°	126327
35°	98360
40°	74758
45°	58274
50°	48333
55°	43382
60°	39484
65°	36447
70°	33477
75°	31030
80°	28028
85°	25600



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	246.7	6.4
10°-20°	674.1	17.5
20°-30°	918.1	23.8
30°-40°	776.9	20.1
40°-50°	498.4	12.9
50°-60°	343.0	8.9
60°-70°	234.3	6.1
70°-80°	130.3	3.4
80°-90°	38.1	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°	1838.9	47.6
0°-40°	2615.8	67.8
0°-60°	3457.2	89.6
0°-90°	3859.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3859.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2648	
5°	2613	247
15°	2399	674
25°	2028	918
35°	1235	777
45°	632	498
55°	381	343
65°	236	234
75°	123	130
85°	34	38
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2647.5
2.5°	2637.4
5°	2613.2
7.5°	2574.9
10°	2526.4
12.5°	2465.9
15°	2399.2
17.5°	2322.6
20°	2239.9
22.5°	2147.0
25°	2028.0
27.5°	1866.6
30°	1676.9
32.5°	1459.0
35°	1235.0
37.5°	1039.2
40°	877.8
42.5°	742.6
45°	631.6
47.5°	544.9
50°	476.2
52.5°	423.8
55°	381.4
57.5°	341.0
60°	302.6
62.5°	268.4
65°	236.1
67.5°	203.8
70°	175.5
72.5°	147.2
75°	123.1
77.5°	98.9
80°	74.6
82.5°	54.5
85°	34.2
87.5°	14.1
90°	0.0



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— 0°-180°







(END OF REPORT)