

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: P252795

Luminaire Tested: **LE_6B30D010 EC6B30508050 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252795
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 EC6B30508050 6LBBA1MW
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4864.9 lumens
Efficiency: N/A
Efficacy: 173.7 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

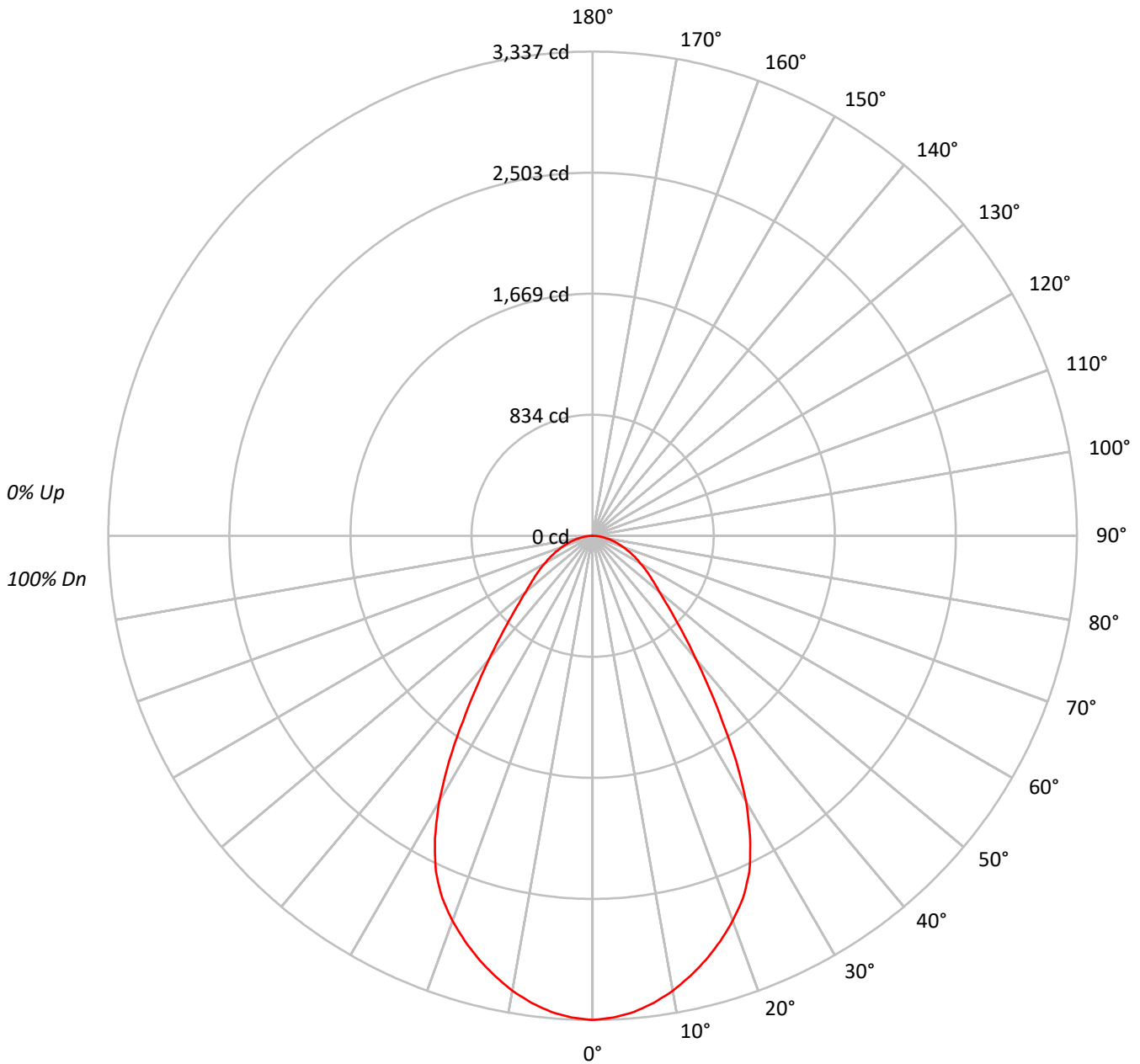
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	217695
5°	215697
10°	210944
15°	204247
20°	196001
25°	183994
30°	159217
35°	123966
40°	94227
45°	73442
50°	60918
55°	54665
60°	49779
65°	45941
70°	42194
75°	39096
80°	35354
85°	32337



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	310.9	6.4
10°-20°	849.7	17.5
20°-30°	1157.2	23.8
30°-40°	979.2	20.1
40°-50°	628.2	12.9
50°-60°	432.3	8.9
60°-70°	295.3	6.1
70°-80°	164.3	3.4
80°-90°	48.1	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°	2317.7	47.6
0°-40°	3296.9	67.8
0°-60°	4357.3	89.6
0°-90°	4864.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4864.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3337	
5°	3294	311
15°	3024	850
25°	2556	1157
35°	1556	979
45°	796	628
55°	481	432
65°	298	295
75°	155	164
85°	43	48
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3336.8
2.5°	3324.1
5°	3293.6
7.5°	3245.2
10°	3184.2
12.5°	3107.9
15°	3024.0
17.5°	2927.4
20°	2823.1
22.5°	2706.1
25°	2556.0
27.5°	2352.5
30°	2113.5
32.5°	1838.8
35°	1556.5
37.5°	1309.8
40°	1106.4
42.5°	935.9
45°	796.0
47.5°	686.8
50°	600.2
52.5°	534.1
55°	480.6
57.5°	429.9
60°	381.5
62.5°	338.2
65°	297.6
67.5°	256.9
70°	221.2
72.5°	185.6
75°	155.1
77.5°	124.6
80°	94.1
82.5°	68.6
85°	43.2
87.5°	17.8
90°	0.0



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— 0°-180°







(END OF REPORT)