

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: P252793

Luminaire Tested: **LE_6B30D010 EC6B30508035 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252793
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 EC6B30508035 6LBBA1MW
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4816.2 lumens
Efficiency: N/A
Efficacy: 172.0 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

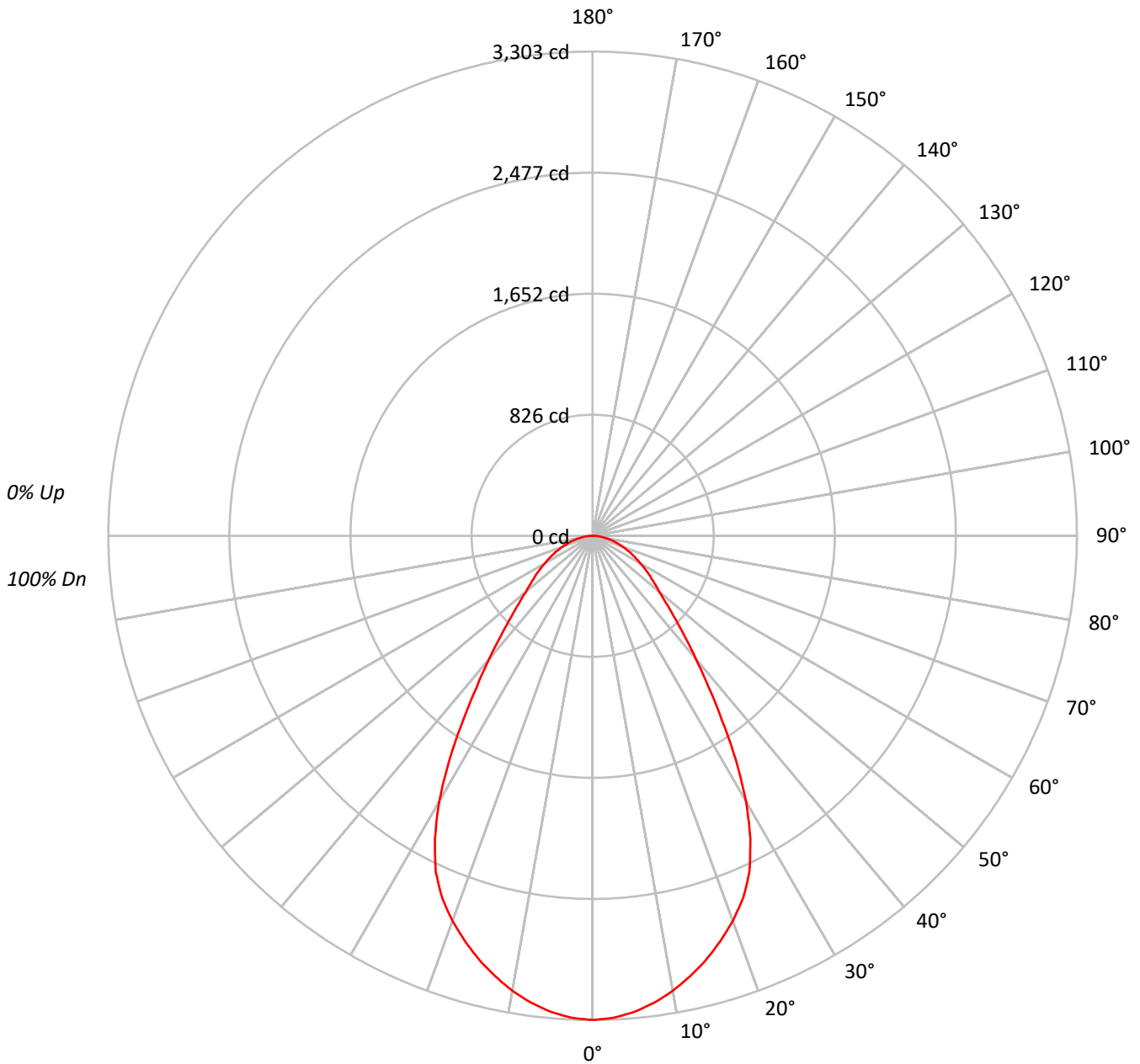
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	215516
5°	213536
10°	208824
15°	202194
20°	194036
25°	182151
30°	157613
35°	122724
40°	93273
45°	72713
50°	60309
55°	54131
60°	49270
65°	45478
70°	41774
75°	38718
80°	34978
85°	32038



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	307.8	6.4
10°-20°	841.1	17.5
20°-30°	1145.6	23.8
30°-40°	969.4	20.1
40°-50°	621.9	12.9
50°-60°	427.9	8.9
60°-70°	292.3	6.1
70°-80°	162.7	3.4
80°-90°	47.6	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°	2294.5	47.6
0°-40°	3263.8	67.8
0°-60°	4313.6	89.6
0°-90°	4816.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4816.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3303	
5°	3261	308
15°	2994	841
25°	2530	1146
35°	1541	969
45°	788	622
55°	476	428
65°	295	292
75°	154	163
85°	43	48
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3303.4
2.5°	3290.8
5°	3260.6
7.5°	3212.8
10°	3152.2
12.5°	3076.8
15°	2993.6
17.5°	2898.0
20°	2794.8
22.5°	2679.0
25°	2530.4
27.5°	2329.0
30°	2092.2
32.5°	1820.4
35°	1540.9
37.5°	1296.6
40°	1095.2
42.5°	926.5
45°	788.1
47.5°	679.8
50°	594.2
52.5°	528.8
55°	475.9
57.5°	425.5
60°	377.6
62.5°	334.9
65°	294.6
67.5°	254.2
70°	219.0
72.5°	183.8
75°	153.6
77.5°	123.4
80°	93.1
82.5°	68.0
85°	42.8
87.5°	17.6
90°	0.0



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— 0°-180°







(END OF REPORT)