

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: P252792

Luminaire Tested: **LE_6B30D010 EC6B30508030 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252792
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 EC6B30508030 6LBBA1MW
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4700.1 lumens
Efficiency: N/A
Efficacy: 167.9 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

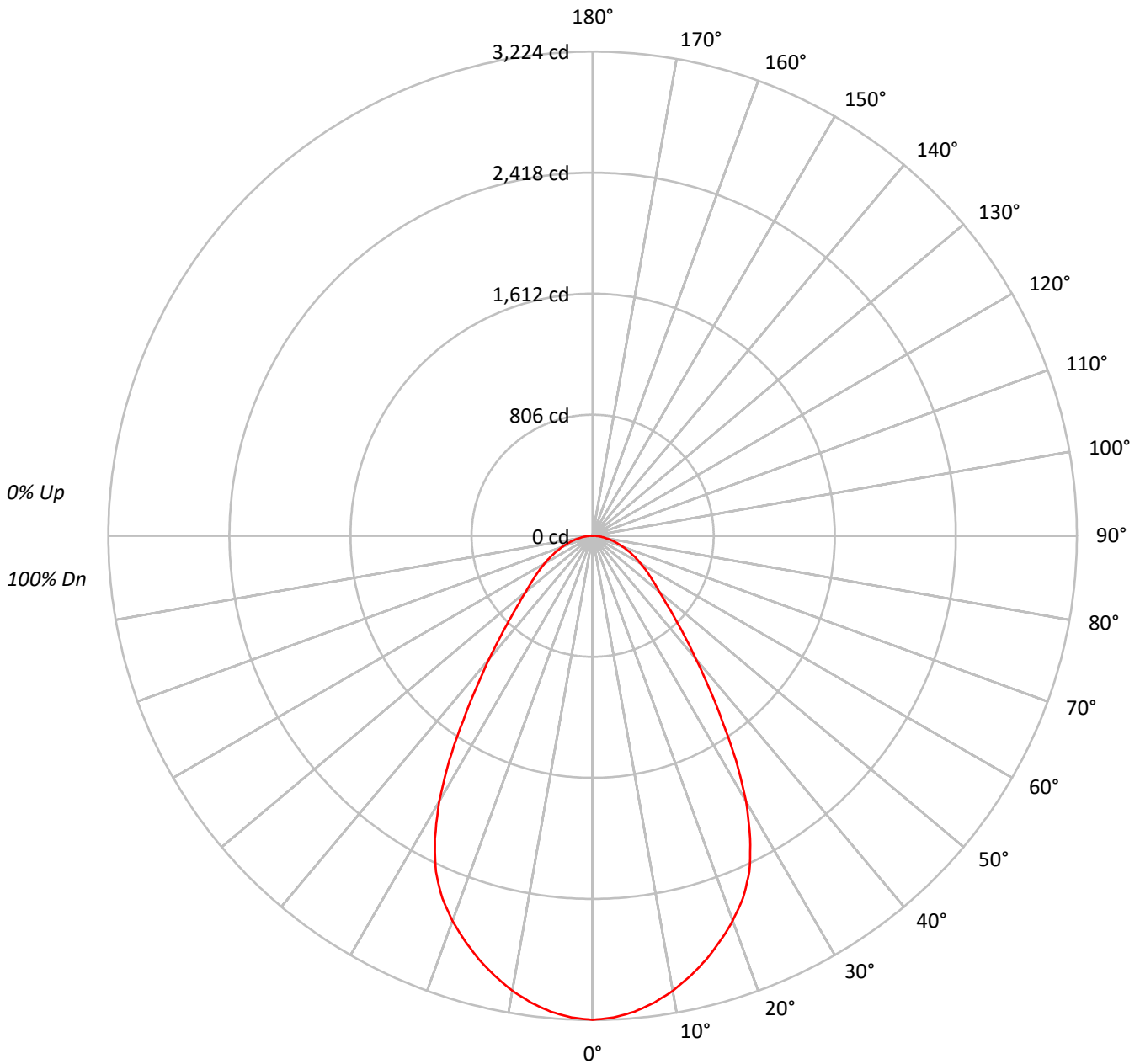
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
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			
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	88			
2	103	97	91	87	101	95	90	86	91	87	84	88	85	82	85	83	80	78			
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	69			
4	90	80	72	67	87	78	72	66	76	70	66	74	69	65	72	68	64	62			
5	84	73	65	60	82	72	65	60	70	64	59	68	63	58	66	62	58	56			
6	78	67	60	54	77	66	59	54	65	58	54	63	57	53	62	57	53	51			
7	74	62	55	49	72	61	54	49	60	53	49	59	53	49	57	52	48	47			
8	69	58	50	45	68	57	50	45	56	49	45	55	49	45	53	48	44	43			
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	45	41	39			
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	210310
5°	208382
10°	203789
15°	197317
20°	189357
25°	177760
30°	153816
35°	119769
40°	91033
45°	70951
50°	58858
55°	52823
60°	48082
65°	44382
70°	40783
75°	37785
80°	34152
85°	31289



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	300.3	6.4
10°-20°	820.8	17.5
20°-30°	1117.9	23.8
30°-40°	946.0	20.1
40°-50°	606.9	12.9
50°-60°	417.6	8.9
60°-70°	285.3	6.1
70°-80°	158.8	3.4
80°-90°	46.5	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°	2239.1	47.6
0°-40°	3185.1	67.8
0°-60°	4209.6	89.6
0°-90°	4700.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4700.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3224	
5°	3182	300
15°	2921	821
25°	2469	1118
35°	1504	946
45°	769	607
55°	464	418
65°	288	285
75°	150	159
85°	42	46
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3223.6
2.5°	3211.4
5°	3181.9
7.5°	3135.1
10°	3076.2
12.5°	3002.5
15°	2921.4
17.5°	2828.0
20°	2727.4
22.5°	2614.2
25°	2469.4
27.5°	2272.8
30°	2041.8
32.5°	1776.5
35°	1503.8
37.5°	1265.4
40°	1068.9
42.5°	904.2
45°	769.0
47.5°	663.4
50°	579.9
52.5°	516.0
55°	464.4
57.5°	415.2
60°	368.5
62.5°	326.8
65°	287.5
67.5°	248.1
70°	213.8
72.5°	179.4
75°	149.9
77.5°	120.4
80°	90.9
82.5°	66.4
85°	41.8
87.5°	17.2
90°	0.0



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— 0°-180°







(END OF REPORT)