

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: P252785

Luminaire Tested: **LE_6B20D010 EC6B10209030 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252785
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_6B20D010 EC6B10209030 6LBBA1MW
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2768.7 lumens
Efficiency: N/A
Efficacy: 133.1 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

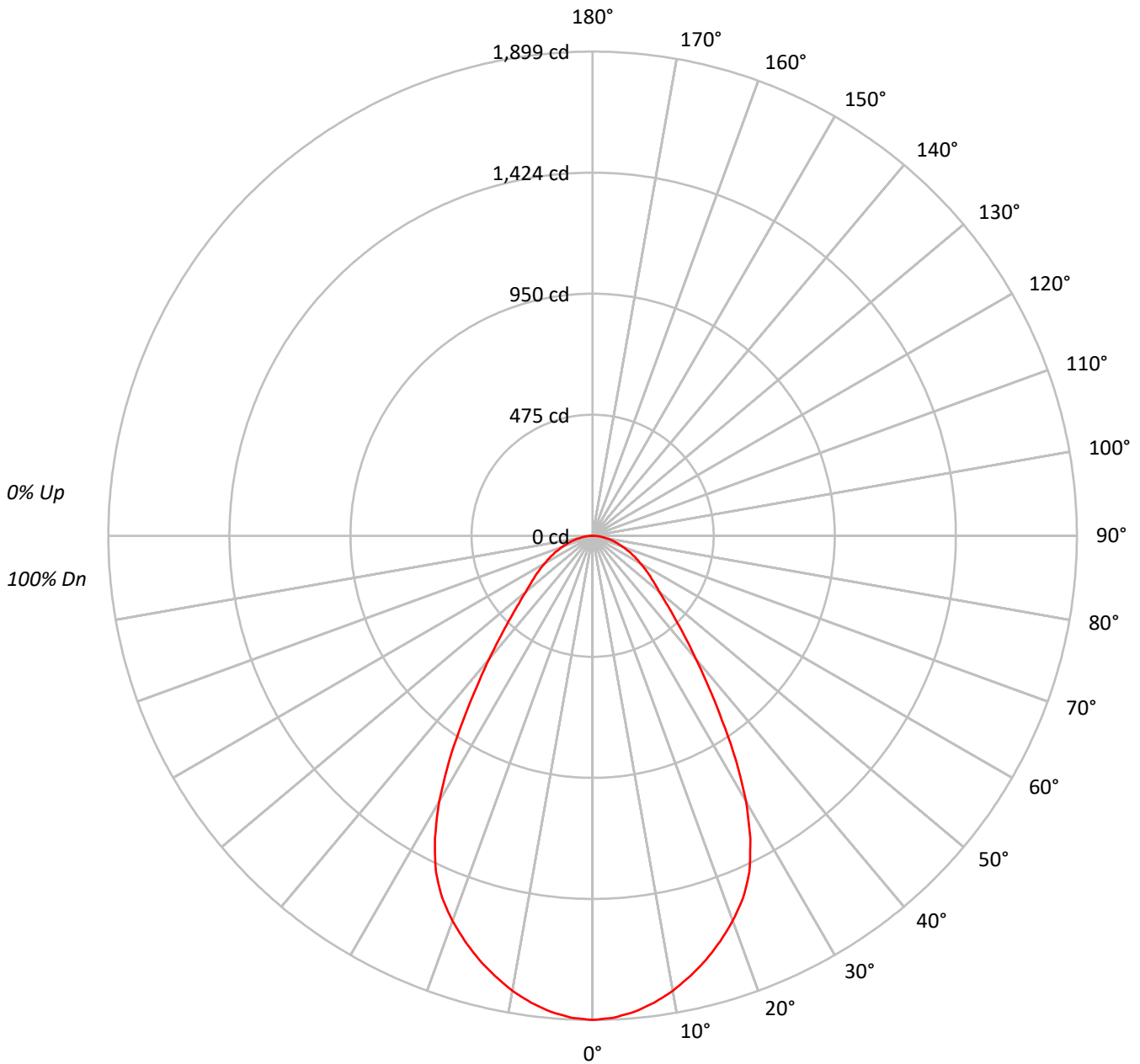
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	123892
5°	122754
10°	120046
15°	116240
20°	111542
25°	104709
30°	90619
35°	70557
40°	53620
45°	41796
50°	34671
55°	31120
60°	28327
65°	26151
70°	24016
75°	22233
80°	20100
85°	18414



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.9	6.4
10°-20°	483.5	17.5
20°-30°	658.6	23.8
30°-40°	557.3	20.1
40°-50°	357.5	12.9
50°-60°	246.0	8.9
60°-70°	168.1	6.1
70°-80°	93.5	3.4
80°-90°	27.4	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°	1319.0	47.6
0°-40°	1876.3	67.8
0°-60°	2479.8	89.6
0°-90°	2768.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2768.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1899	
5°	1874	177
15°	1721	484
25°	1455	659
35°	886	557
45°	453	357
55°	274	246
65°	169	168
75°	88	93
85°	25	27
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1899.0
2.5°	1891.8
5°	1874.4
7.5°	1846.9
10°	1812.1
12.5°	1768.8
15°	1721.0
17.5°	1666.0
20°	1606.6
22.5°	1540.1
25°	1454.6
27.5°	1338.9
30°	1202.9
32.5°	1046.5
35°	885.9
37.5°	745.4
40°	629.6
42.5°	532.6
45°	453.0
47.5°	390.8
50°	341.6
52.5°	304.0
55°	273.6
57.5°	244.6
60°	217.1
62.5°	192.5
65°	169.4
67.5°	146.2
70°	125.9
72.5°	105.6
75°	88.2
77.5°	70.9
80°	53.5
82.5°	39.1
85°	24.6
87.5°	10.1
90°	0.0



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— 0°-180°







(END OF REPORT)