

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: P252779

Luminaire Tested: **LE_6B20D010 EC6B10208030 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252779
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 EC6B10208030 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: 3241.3 lumens
Efficiency: N/A
Efficacy: 155.8 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

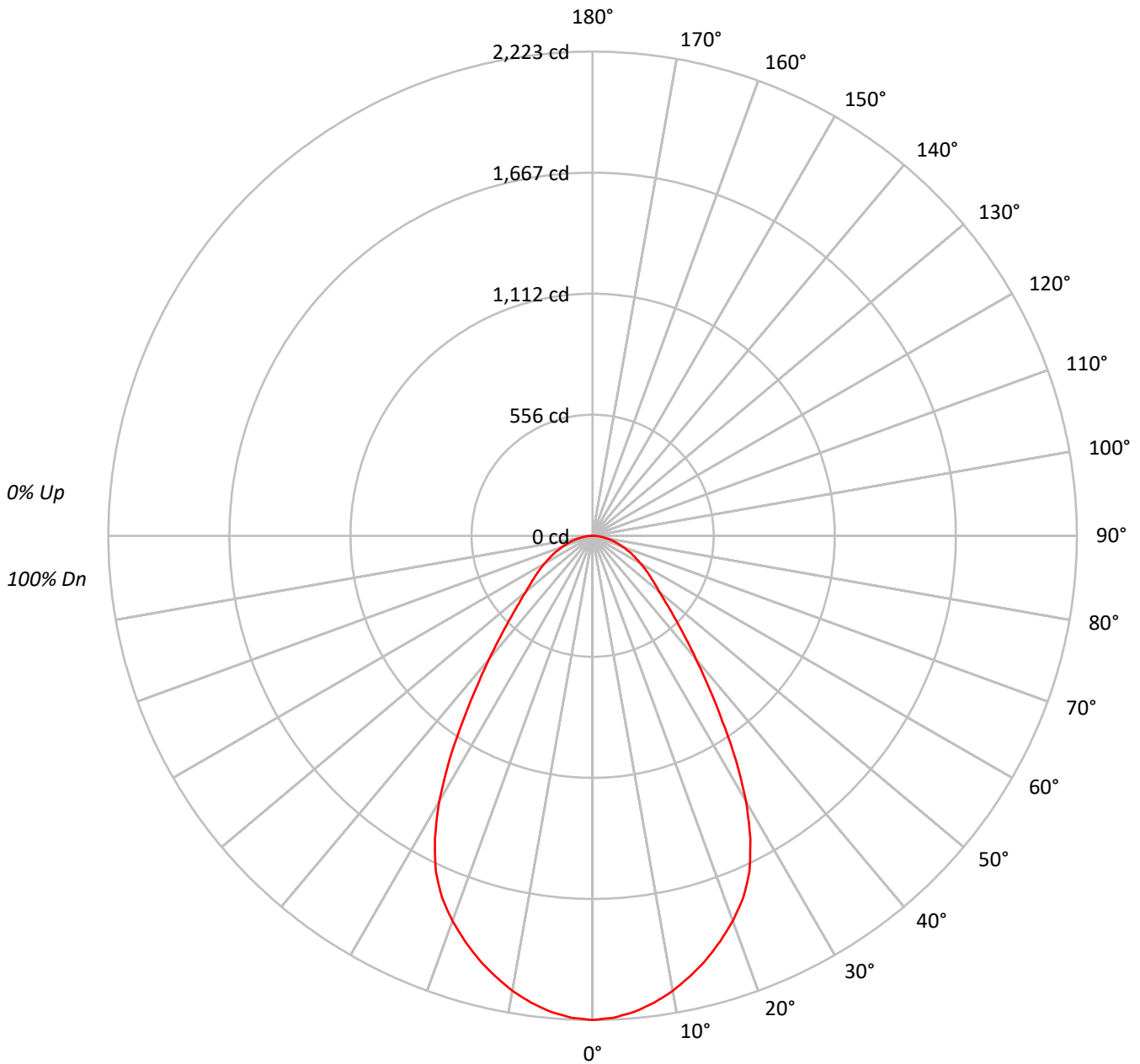
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P252779

CATALOG NUMBER: LE_6B20D010 EC6B10208030 6LBBA1MW

Luminous Intensity Polar Plot





TEST NUMBER: P252779

CATALOG NUMBER: LE_6B20D010 EC6B10208030 6LBBA1MW

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°	145036
5°	143698
10°	140543
15°	136084
20°	130586
25°	122583
30°	106077
35°	82591
40°	62776
45°	48937
50°	40588
55°	36421
60°	33155
65°	30597
70°	28117
75°	26064
80°	23594
85°	21558



TEST NUMBER: P252779

CATALOG NUMBER: LE_6B20D010 EC6B10208030 6LBBA1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	207.1	6.4
10°-20°	566.1	17.5
20°-30°	771.0	23.8
30°-40°	652.4	20.1
40°-50°	418.5	12.9
50°-60°	288.0	8.9
60°-70°	196.7	6.1
70°-80°	109.5	3.4
80°-90°	32.1	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°	1544.1	47.6
0°-40°	2196.5	67.8
0°-60°	2903.0	89.6
0°-90°	3241.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3241.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2223	
5°	2194	207
15°	2015	566
25°	1703	771
35°	1037	652
45°	530	419
55°	320	288
65°	198	197
75°	103	110
85°	29	32
90°	0	



TEST NUMBER: P252779

CATALOG NUMBER: LE_6B20D010 EC6B10208030 6LBBA1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	2223.1
2.5°	2214.6
5°	2194.2
7.5°	2162.1
10°	2121.5
12.5°	2070.6
15°	2014.8
17.5°	1950.2
20°	1880.9
22.5°	1802.9
25°	1702.9
27.5°	1567.4
30°	1408.1
32.5°	1225.1
35°	1037.0
37.5°	872.6
40°	737.1
42.5°	623.5
45°	530.4
47.5°	457.5
50°	399.9
52.5°	355.9
55°	320.2
57.5°	286.4
60°	254.1
62.5°	225.4
65°	198.2
67.5°	171.1
70°	147.4
72.5°	123.8
75°	103.4
77.5°	83.0
80°	62.8
82.5°	45.8
85°	28.8
87.5°	11.9
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)