

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: P252780

Luminaire Tested: **LE_6B20D010 EC6B10208035 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252780
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 EC6B10208035 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: 3321.2 lumens
Efficiency: N/A
Efficacy: 159.7 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

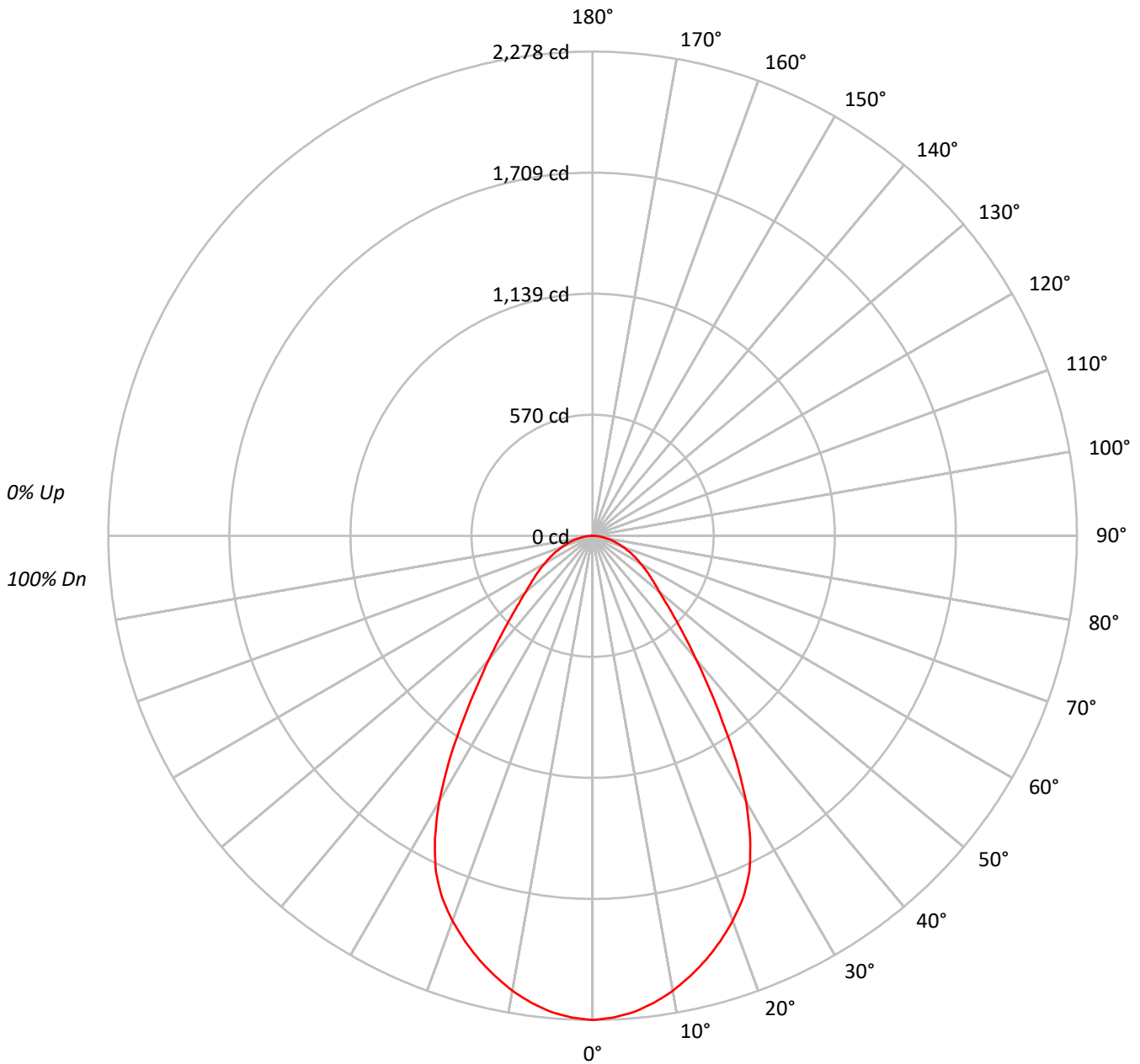
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P252780

CATALOG NUMBER: LE_6B20D010 EC6B10208035 6LBBA1MW

Luminous Intensity Polar Plot





TEST NUMBER: P252780

CATALOG NUMBER: LE_6B20D010 EC6B10208035 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			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°	148618
5°	147254
10°	144008
15°	139434
20°	133801
25°	125614
30°	108699
35°	84630
40°	64317
45°	50146
50°	41593
55°	37319
60°	33990
65°	31353
70°	28803
75°	26694
80°	24120
85°	22082



TEST NUMBER: P252780

CATALOG NUMBER: LE_6B20D010 EC6B10208035 6LBBA1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	212.2	6.4
10°-20°	580.0	17.5
20°-30°	790.0	23.8
30°-40°	668.5	20.1
40°-50°	428.9	12.9
50°-60°	295.1	8.9
60°-70°	201.6	6.1
70°-80°	112.2	3.4
80°-90°	32.8	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°	1582.3	47.6
0°-40°	2250.7	67.8
0°-60°	2974.7	89.6
0°-90°	3321.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3321.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2278	
5°	2248	212
15°	2064	580
25°	1745	790
35°	1063	668
45°	544	429
55°	328	295
65°	203	202
75°	106	112
85°	30	33
90°	0	



TEST NUMBER: P252780

CATALOG NUMBER: LE_6B20D010 EC6B10208035 6LBBA1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	2278.0
2.5°	2269.2
5°	2248.5
7.5°	2215.5
10°	2173.8
12.5°	2121.8
15°	2064.4
17.5°	1998.5
20°	1927.2
22.5°	1847.4
25°	1745.0
27.5°	1606.0
30°	1442.9
32.5°	1255.4
35°	1062.6
37.5°	894.1
40°	755.2
42.5°	639.0
45°	543.5
47.5°	468.8
50°	409.8
52.5°	364.6
55°	328.1
57.5°	293.4
60°	260.5
62.5°	230.9
65°	203.1
67.5°	175.4
70°	151.0
72.5°	126.8
75°	105.9
77.5°	85.1
80°	64.2
82.5°	46.9
85°	29.5
87.5°	12.1
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)