

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: P252786

Luminaire Tested: **LE_6B20D010 EC6B10209035 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252786
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 EC6B10209035 6LBBA1MW
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2807.4 lumens
Efficiency: N/A
Efficacy: 135.0 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

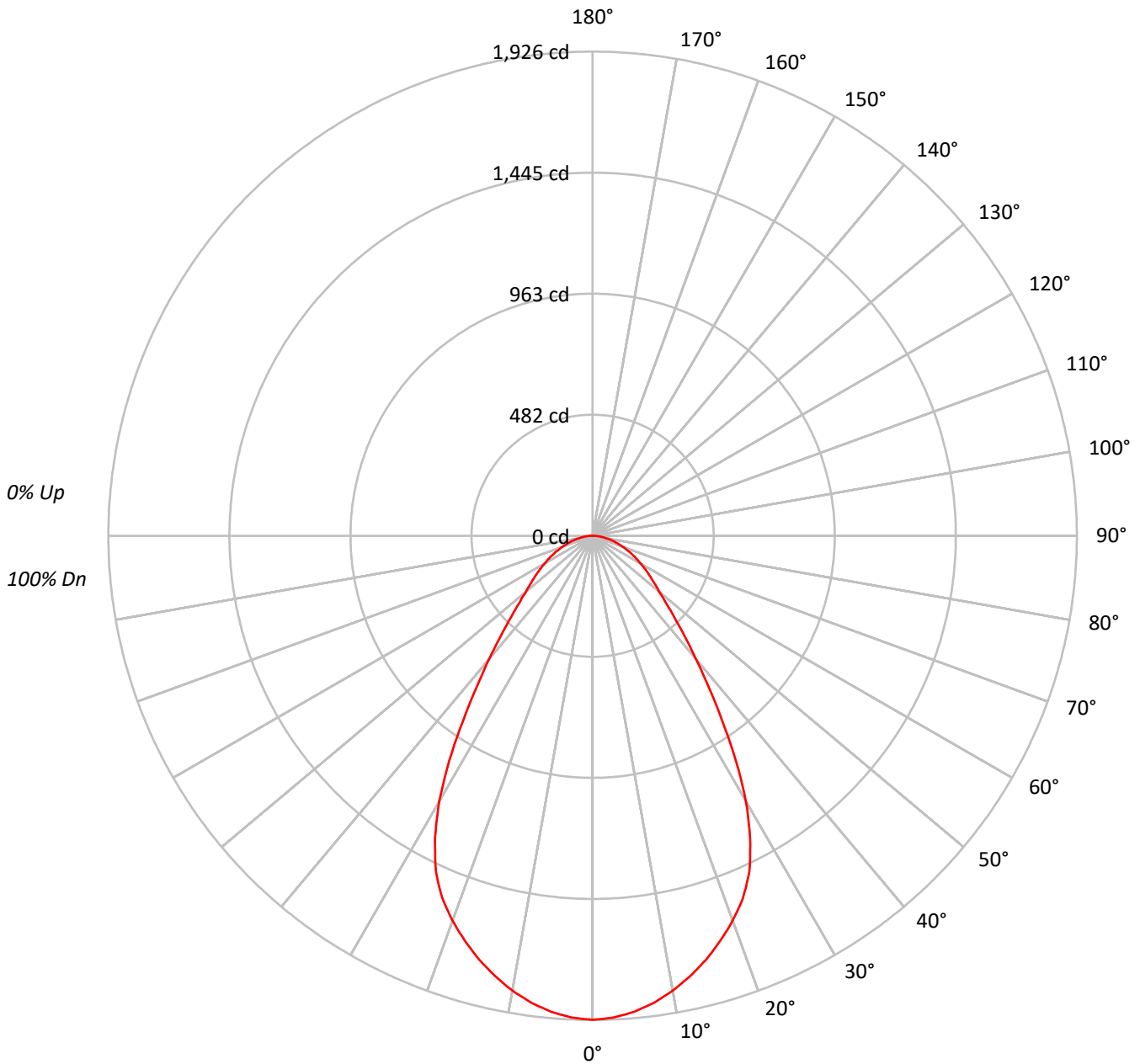
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P252786

CATALOG NUMBER: LE_6B20D010 EC6B10209035 6LBBA1MW

Luminous Intensity Polar Plot





TEST NUMBER: P252786

CATALOG NUMBER: LE_6B20D010 EC6B10209035 6LBBA1MW

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°	125627
5°	124470
10°	121729
15°	117868
20°	113105
25°	106178
30°	91877
35°	71536
40°	54378
45°	42386
50°	35158
55°	31552
60°	28719
65°	26521
70°	24378
75°	22560
80°	20363
85°	18714



TEST NUMBER: P252786

CATALOG NUMBER: LE_6B20D010 EC6B10209035 6LBBA1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	179.4	6.4
10°-20°	490.3	17.5
20°-30°	667.8	23.8
30°-40°	565.1	20.1
40°-50°	362.5	12.9
50°-60°	249.4	8.9
60°-70°	170.4	6.1
70°-80°	94.8	3.4
80°-90°	27.7	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°	1337.5	47.6
0°-40°	1902.6	67.8
0°-60°	2514.5	89.6
0°-90°	2807.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2807.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1926	
5°	1901	179
15°	1745	490
25°	1475	668
35°	898	565
45°	459	362
55°	277	249
65°	172	170
75°	90	95
85°	25	28
90°	0	



TEST NUMBER: P252786

CATALOG NUMBER: LE_6B20D010 EC6B10209035 6LBBA1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	1925.6
2.5°	1918.2
5°	1900.6
7.5°	1872.8
10°	1837.5
12.5°	1793.5
15°	1745.1
17.5°	1689.4
20°	1629.1
22.5°	1561.6
25°	1475.0
27.5°	1357.6
30°	1219.6
32.5°	1061.1
35°	898.2
37.5°	755.9
40°	638.5
42.5°	540.1
45°	459.4
47.5°	396.2
50°	346.4
52.5°	308.2
55°	277.4
57.5°	248.0
60°	220.1
62.5°	195.2
65°	171.8
67.5°	148.2
70°	127.8
72.5°	107.1
75°	89.5
77.5°	71.9
80°	54.2
82.5°	39.6
85°	25.0
87.5°	10.2
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)