

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: P252783

Luminaire Tested: **LE_6B20D010 EC6B10209024 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252783
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 EC6B10209024 6LBBA1MW
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2341.3 lumens
Efficiency: N/A
Efficacy: 112.6 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

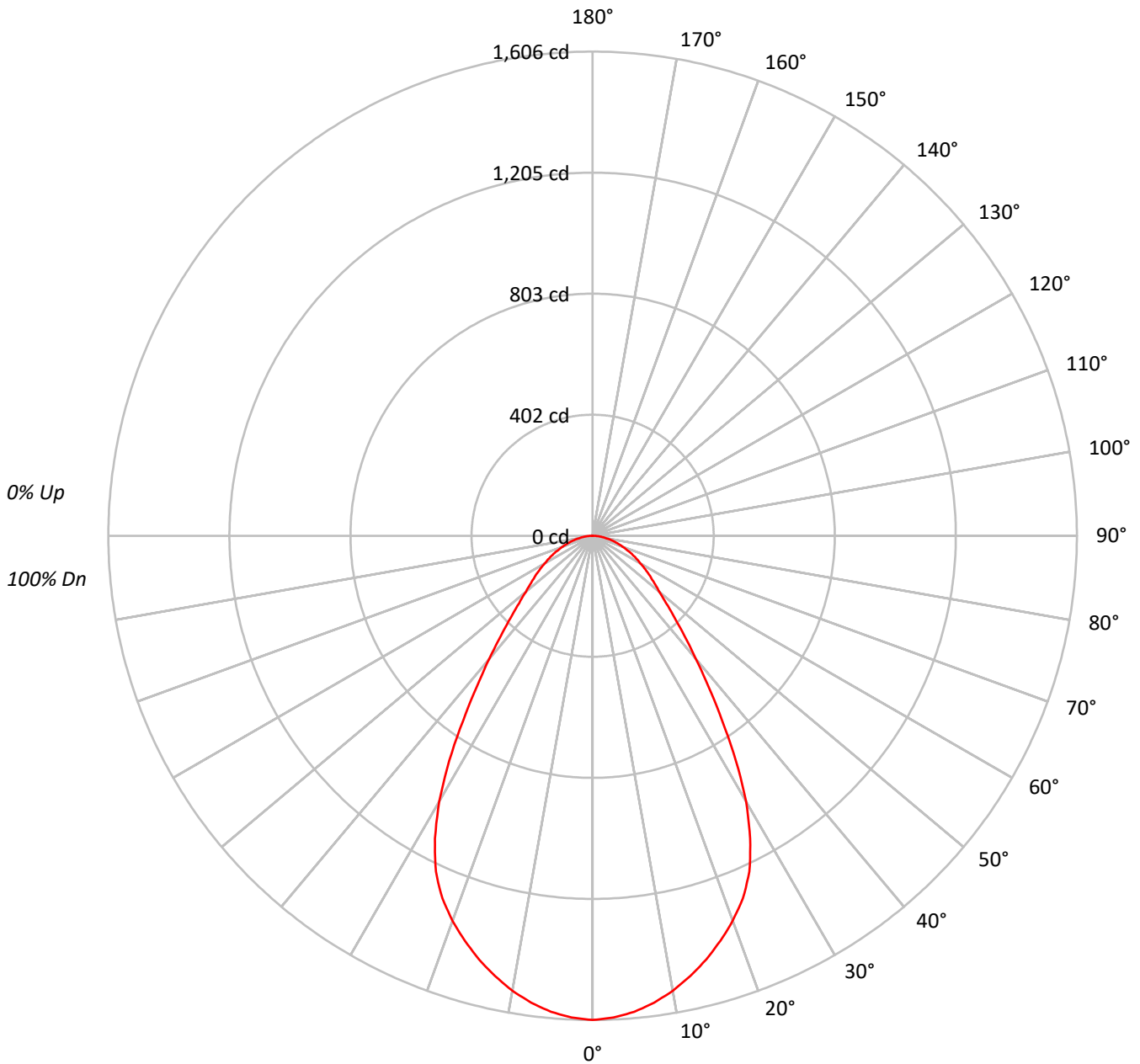
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	104770
5°	103801
10°	101517
15°	98287
20°	94324
25°	88549
30°	76622
35°	59653
40°	45342
45°	35346
50°	29322
55°	26320
60°	23956
65°	22106
70°	20315
75°	18804
80°	16982
85°	15570



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.6	6.4
10°-20°	408.9	17.5
20°-30°	556.9	23.8
30°-40°	471.2	20.1
40°-50°	302.3	12.9
50°-60°	208.1	8.9
60°-70°	142.1	6.1
70°-80°	79.1	3.4
80°-90°	23.1	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°	1115.4	47.6
0°-40°	1586.6	67.8
0°-60°	2096.9	89.6
0°-90°	2341.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2341.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1606	
5°	1585	150
15°	1455	409
25°	1230	557
35°	749	471
45°	383	302
55°	231	208
65°	143	142
75°	75	79
85°	21	23
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1605.9
2.5°	1599.8
5°	1585.0
7.5°	1561.8
10°	1532.4
12.5°	1495.6
15°	1455.2
17.5°	1408.8
20°	1358.6
22.5°	1302.2
25°	1230.1
27.5°	1132.1
30°	1017.1
32.5°	884.9
35°	749.0
37.5°	630.4
40°	532.4
42.5°	450.4
45°	383.1
47.5°	330.5
50°	288.9
52.5°	257.0
55°	231.4
57.5°	206.9
60°	183.6
62.5°	162.8
65°	143.2
67.5°	123.6
70°	106.5
72.5°	89.4
75°	74.6
77.5°	60.0
80°	45.2
82.5°	33.0
85°	20.8
87.5°	8.6
90°	0.0



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— 0°-180°







(END OF REPORT)