

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: P252789

Luminaire Tested: **LE_6B20D010 EC6B10209727 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252789
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 EC6B10209727 6LBBA1MW
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM
Light Source: (1) HIGH LUMEN LED 97CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2315.0 lumens
Efficiency: N/A
Efficacy: 111.3 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

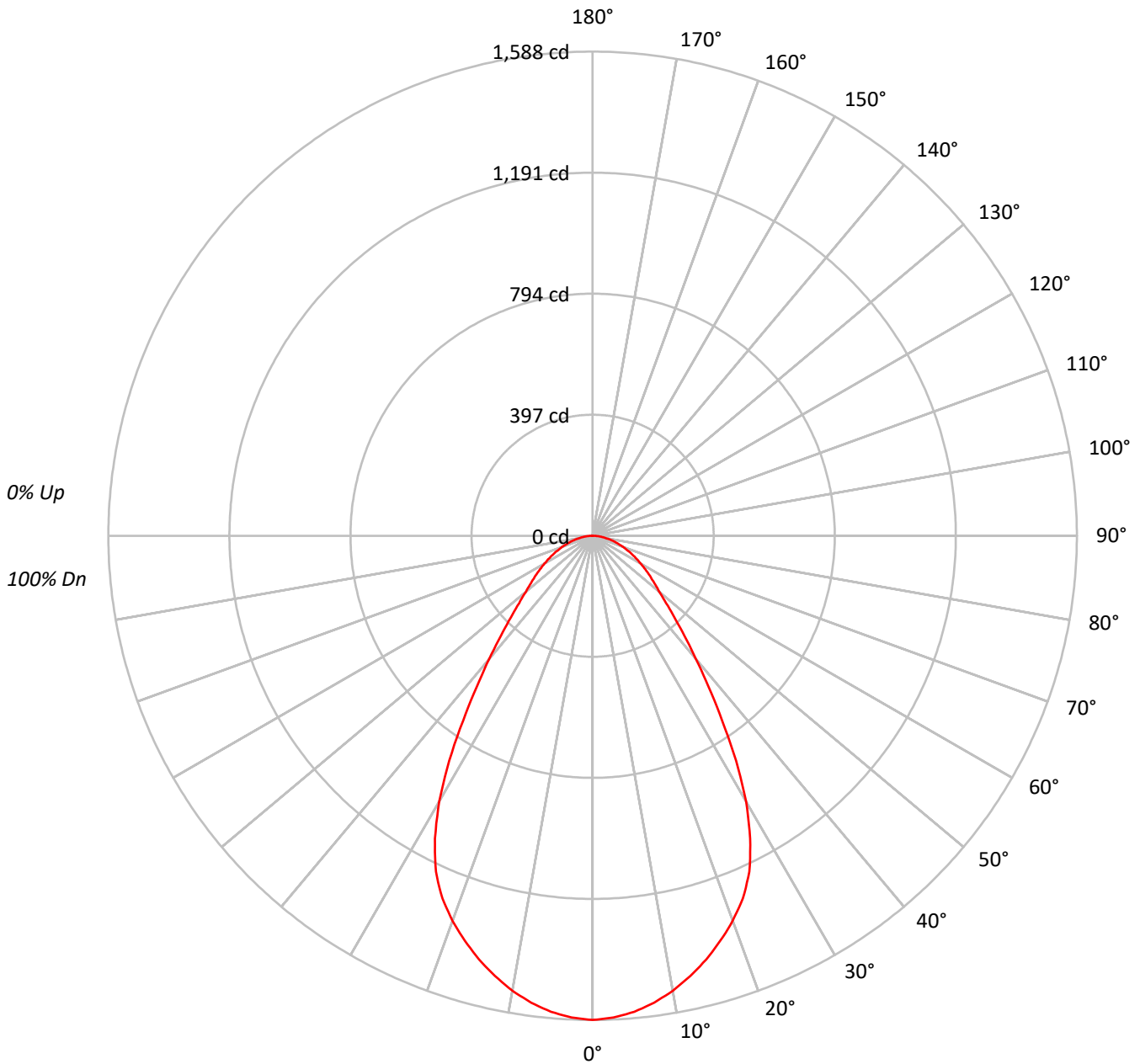
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	103596
5°	102636
10°	100378
15°	97193
20°	93269
25°	87548
30°	75770
35°	58984
40°	44840
45°	34950
50°	28987
55°	26025
60°	23682
65°	21859
70°	20067
75°	18628
80°	16832
85°	15420



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.9	6.4
10°-20°	404.3	17.5
20°-30°	550.6	23.8
30°-40°	465.9	20.1
40°-50°	298.9	12.9
50°-60°	205.7	8.9
60°-70°	140.5	6.1
70°-80°	78.2	3.4
80°-90°	22.9	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°	1102.9	47.6
0°-40°	1568.8	67.8
0°-60°	2073.4	89.6
0°-90°	2315.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2315.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1588	
5°	1567	148
15°	1439	404
25°	1216	551
35°	741	466
45°	379	299
55°	229	206
65°	142	141
75°	74	78
85°	21	23
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1587.9
2.5°	1581.8
5°	1567.2
7.5°	1544.2
10°	1515.2
12.5°	1478.9
15°	1439.0
17.5°	1393.0
20°	1343.4
22.5°	1287.6
25°	1216.2
27.5°	1119.5
30°	1005.8
32.5°	875.0
35°	740.6
37.5°	623.2
40°	526.5
42.5°	445.4
45°	378.8
47.5°	326.8
50°	285.6
52.5°	254.1
55°	228.8
57.5°	204.5
60°	181.5
62.5°	161.0
65°	141.6
67.5°	122.2
70°	105.2
72.5°	88.4
75°	73.9
77.5°	59.2
80°	44.8
82.5°	32.6
85°	20.6
87.5°	8.5
90°	0.0



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— 0°-180°







(END OF REPORT)