

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: P252782

Luminaire Tested: **LE_6B20D010 EC6B10208050 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252782
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 EC6B10208050 6LBBA1MW
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3356.2 lumens
Efficiency: N/A
Efficacy: 161.4 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

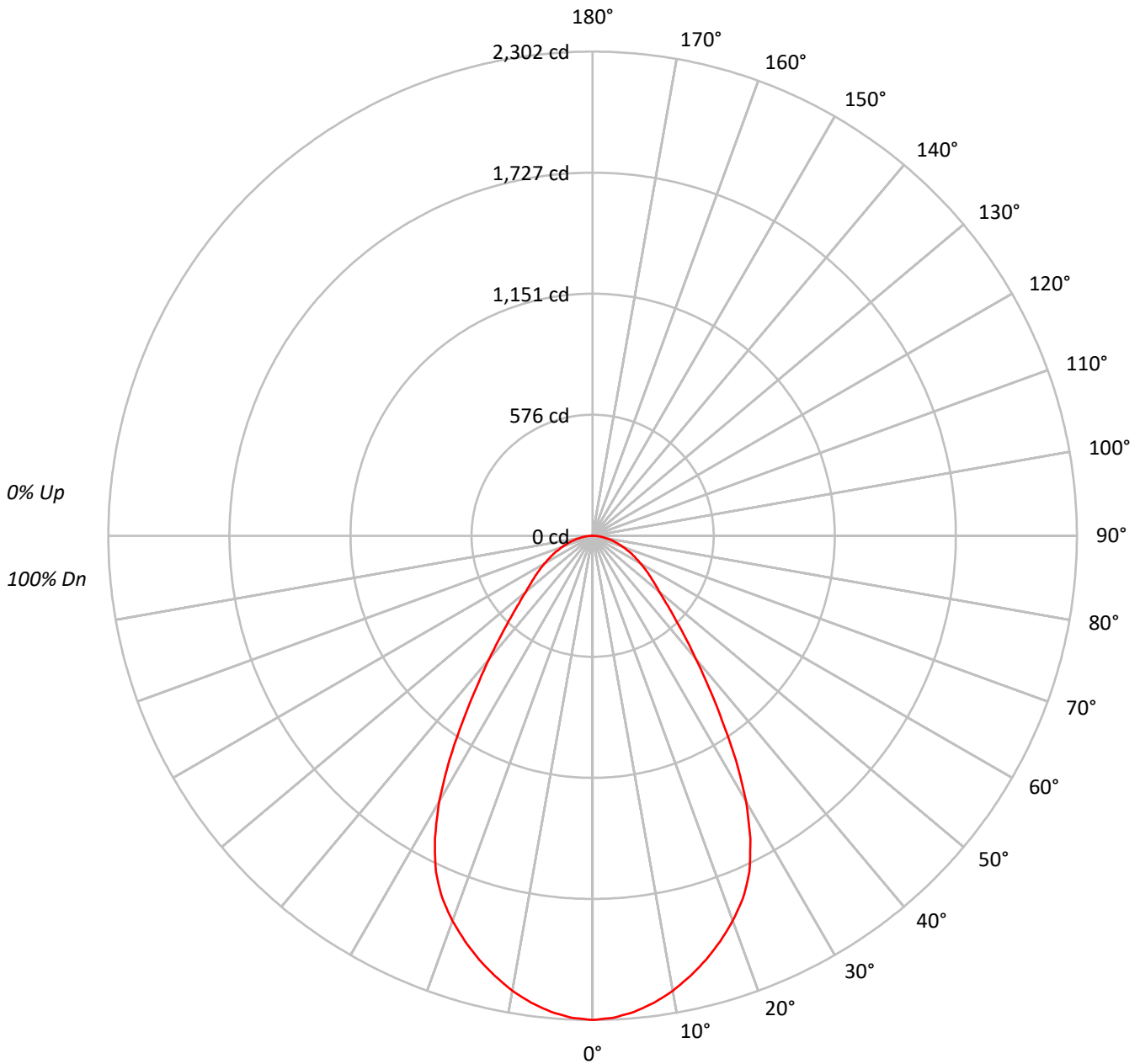
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	150184
5°	148799
10°	145532
15°	140900
20°	135217
25°	126938
30°	109836
35°	85522
40°	64998
45°	50662
50°	42030
55°	37717
60°	34330
65°	31677
70°	29109
75°	26972
80°	24383
85°	22382



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	214.5	6.4
10°-20°	586.1	17.5
20°-30°	798.3	23.8
30°-40°	675.5	20.1
40°-50°	433.3	12.9
50°-60°	298.2	8.9
60°-70°	203.7	6.1
70°-80°	113.4	3.4
80°-90°	33.2	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°	1598.9	47.6
0°-40°	2274.4	67.8
0°-60°	3006.0	89.6
0°-90°	3356.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3356.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2302	
5°	2272	214
15°	2086	586
25°	1763	798
35°	1074	676
45°	549	433
55°	332	298
65°	205	204
75°	107	113
85°	30	33
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2302.0
2.5°	2293.2
5°	2272.1
7.5°	2238.9
10°	2196.8
12.5°	2144.1
15°	2086.1
17.5°	2019.5
20°	1947.6
22.5°	1866.9
25°	1763.4
27.5°	1623.0
30°	1458.0
32.5°	1268.5
35°	1073.8
37.5°	903.6
40°	763.2
42.5°	645.6
45°	549.1
47.5°	473.8
50°	414.1
52.5°	368.5
55°	331.6
57.5°	296.5
60°	263.1
62.5°	233.4
65°	205.2
67.5°	177.2
70°	152.6
72.5°	128.1
75°	107.0
77.5°	86.0
80°	64.9
82.5°	47.4
85°	29.9
87.5°	12.2
90°	0.0



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— 0°-180°







(END OF REPORT)