

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: P252781

Luminaire Tested: **LE_6B20D010 EC6B10208040 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252781
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 EC6B10208040 6LBBA1MW
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3357.5 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

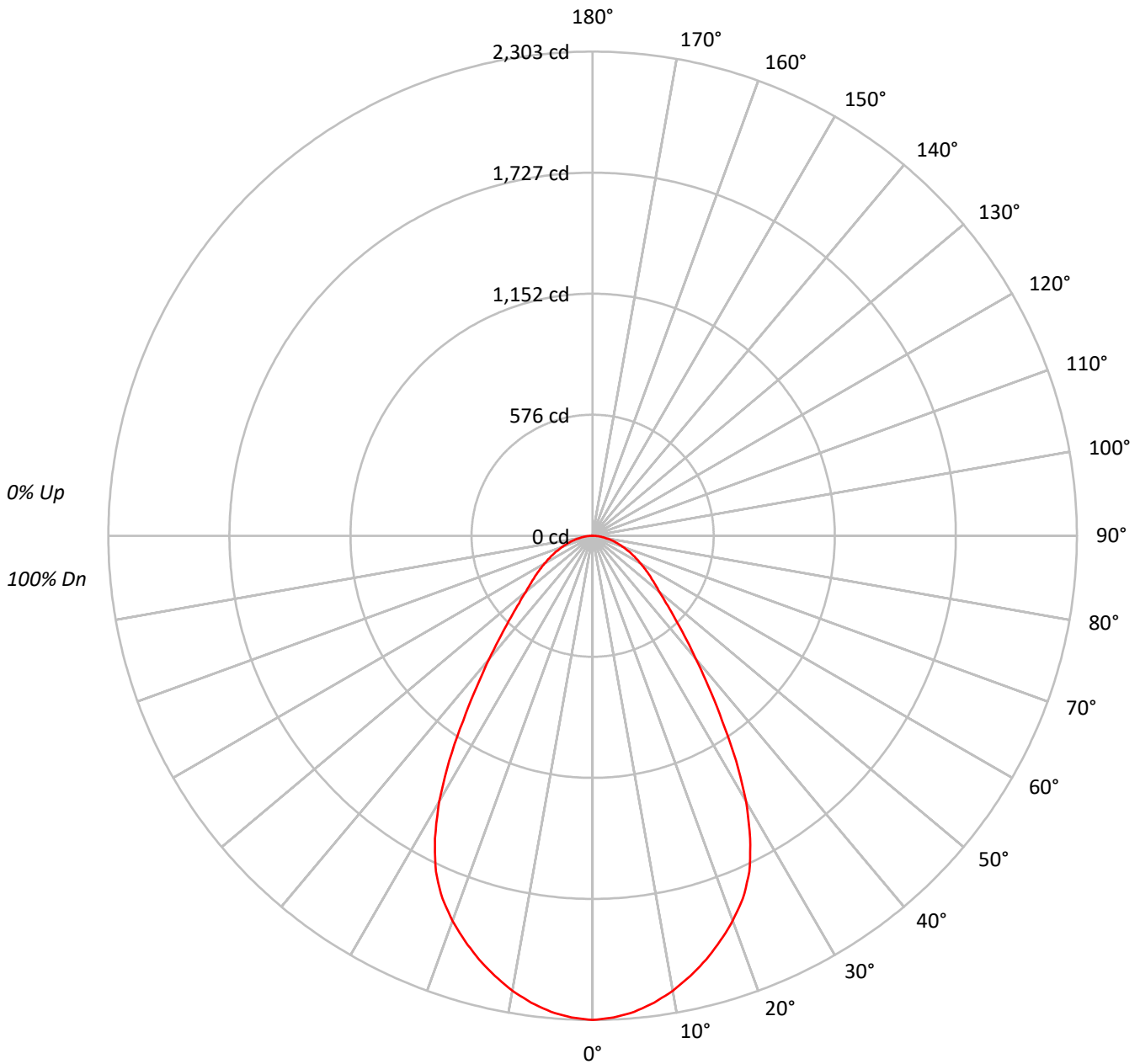
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
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			
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	88			
2	103	97	91	87	101	95	90	86	91	87	84	88	85	82	85	83	80	78			
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	69			
4	90	80	72	67	87	78	72	66	76	70	66	74	69	65	72	68	64	62			
5	84	73	65	60	82	72	65	60	70	64	59	68	63	58	66	62	58	56			
6	78	67	60	54	77	66	59	54	65	58	54	63	57	53	62	57	53	51			
7	74	62	55	49	72	61	54	49	60	53	49	59	53	49	57	52	48	47			
8	69	58	50	45	68	57	50	45	56	49	45	55	49	45	53	48	44	43			
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	45	41	39			
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	150243
5°	148858
10°	145578
15°	140960
20°	135259
25°	126982
30°	109881
35°	85554
40°	65024
45°	50690
50°	42040
55°	37740
60°	34343
65°	31708
70°	29147
75°	26997
80°	24421
85°	22382



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	214.5	6.4
10°-20°	586.4	17.5
20°-30°	798.6	23.8
30°-40°	675.8	20.1
40°-50°	433.5	12.9
50°-60°	298.3	8.9
60°-70°	203.8	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°	1599.5	47.6
0°-40°	2275.3	67.8
0°-60°	3007.1	89.6
0°-90°	3357.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3357.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2303	
5°	2273	215
15°	2087	586
25°	1764	799
35°	1074	676
45°	549	434
55°	332	298
65°	205	204
75°	107	113
85°	30	33
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2302.9
2.5°	2294.1
5°	2273.0
7.5°	2239.6
10°	2197.5
12.5°	2144.9
15°	2087.0
17.5°	2020.2
20°	1948.2
22.5°	1867.5
25°	1764.0
27.5°	1623.6
30°	1458.6
32.5°	1269.0
35°	1074.2
37.5°	903.9
40°	763.5
42.5°	645.9
45°	549.4
47.5°	473.9
50°	414.2
52.5°	368.6
55°	331.8
57.5°	296.6
60°	263.2
62.5°	233.5
65°	205.4
67.5°	177.2
70°	152.8
72.5°	128.1
75°	107.1
77.5°	86.0
80°	65.0
82.5°	47.4
85°	29.9
87.5°	12.2
90°	0.0



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— 0°-180°







(END OF REPORT)