

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: P252763

Luminaire Tested: **LE_6B10D010 EC6B10209727 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252763
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_6B10D010 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: 1207.6 lumens
Efficiency: N/A
Efficacy: 120.8 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

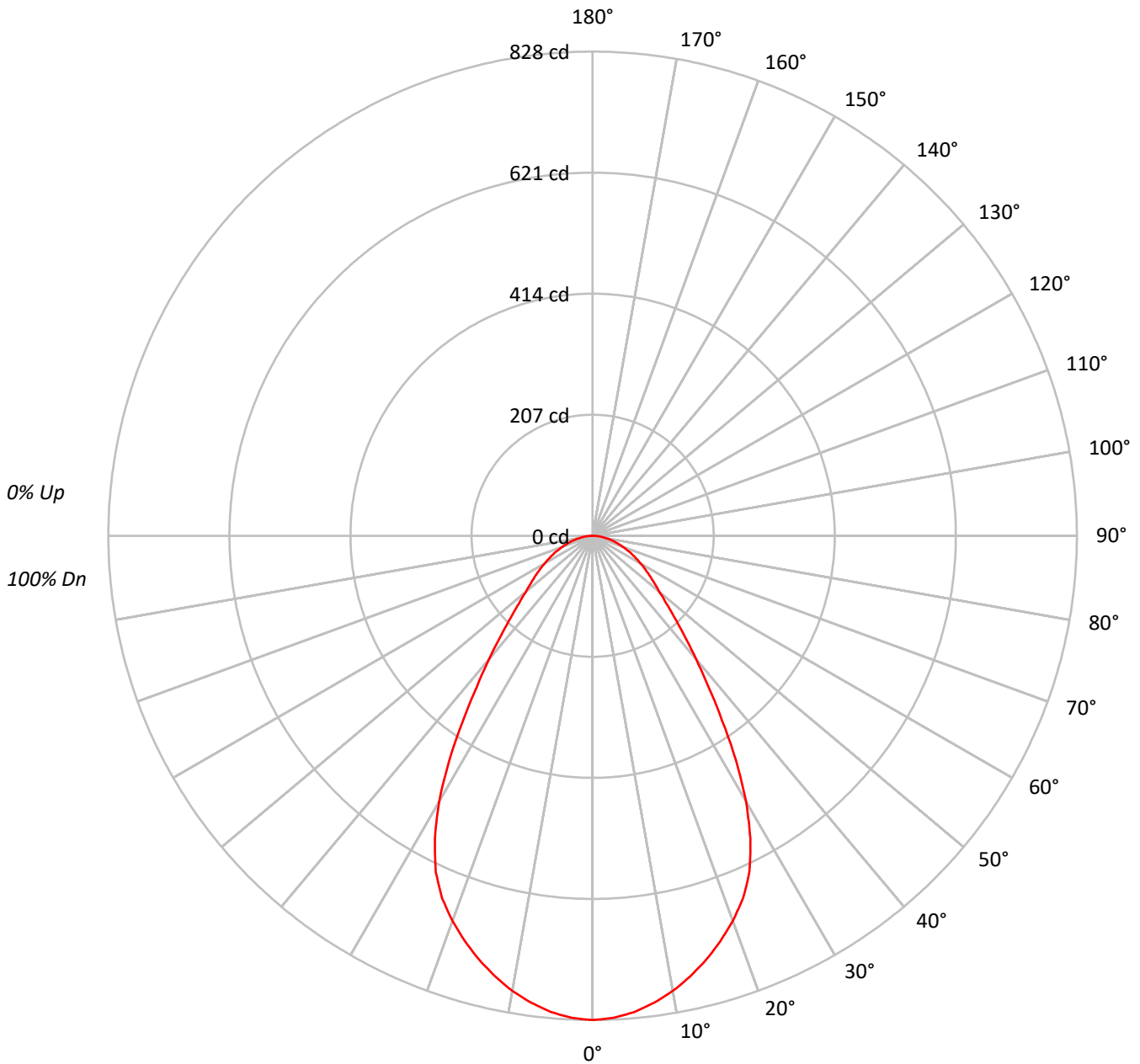
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	54032
5°	53538
10°	52362
15°	50690
20°	48655
25°	45667
30°	39520
35°	30774
40°	23386
45°	18231
50°	15123
55°	13558
60°	12370
65°	11408
70°	10472
75°	9705
80°	8792
85°	8084



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.2	6.4
10°-20°	210.9	17.5
20°-30°	287.2	23.8
30°-40°	243.1	20.1
40°-50°	155.9	12.9
50°-60°	107.3	8.9
60°-70°	73.3	6.1
70°-80°	40.8	3.4
80°-90°	11.9	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°	575.3	47.6
0°-40°	818.3	67.8
0°-60°	1081.5	89.6
0°-90°	1207.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1207.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	828	
5°	818	77
15°	750	211
25°	634	287
35°	386	243
45°	198	156
55°	119	107
65°	74	73
75°	38	41
85°	11	12
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	828.2
2.5°	825.0
5°	817.5
7.5°	805.5
10°	790.4
12.5°	771.4
15°	750.5
17.5°	726.6
20°	700.8
22.5°	671.6
25°	634.4
27.5°	583.9
30°	524.6
32.5°	456.4
35°	386.4
37.5°	325.1
40°	274.6
42.5°	232.2
45°	197.6
47.5°	170.5
50°	149.0
52.5°	132.6
55°	119.2
57.5°	106.6
60°	94.8
62.5°	84.0
65°	73.9
67.5°	63.8
70°	54.9
72.5°	46.1
75°	38.5
77.5°	30.9
80°	23.4
82.5°	17.0
85°	10.8
87.5°	4.4
90°	0.0



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— 0°-180°







(END OF REPORT)