

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: P252764

Luminaire Tested: **LE_6B10D010 EC6B10209730 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252764
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 EC6B10209730 6LBBA1MW
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM
Light Source: (1) HIGH LUMEN LED 97CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1261.2 lumens
Efficiency: N/A
Efficacy: 126.1 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

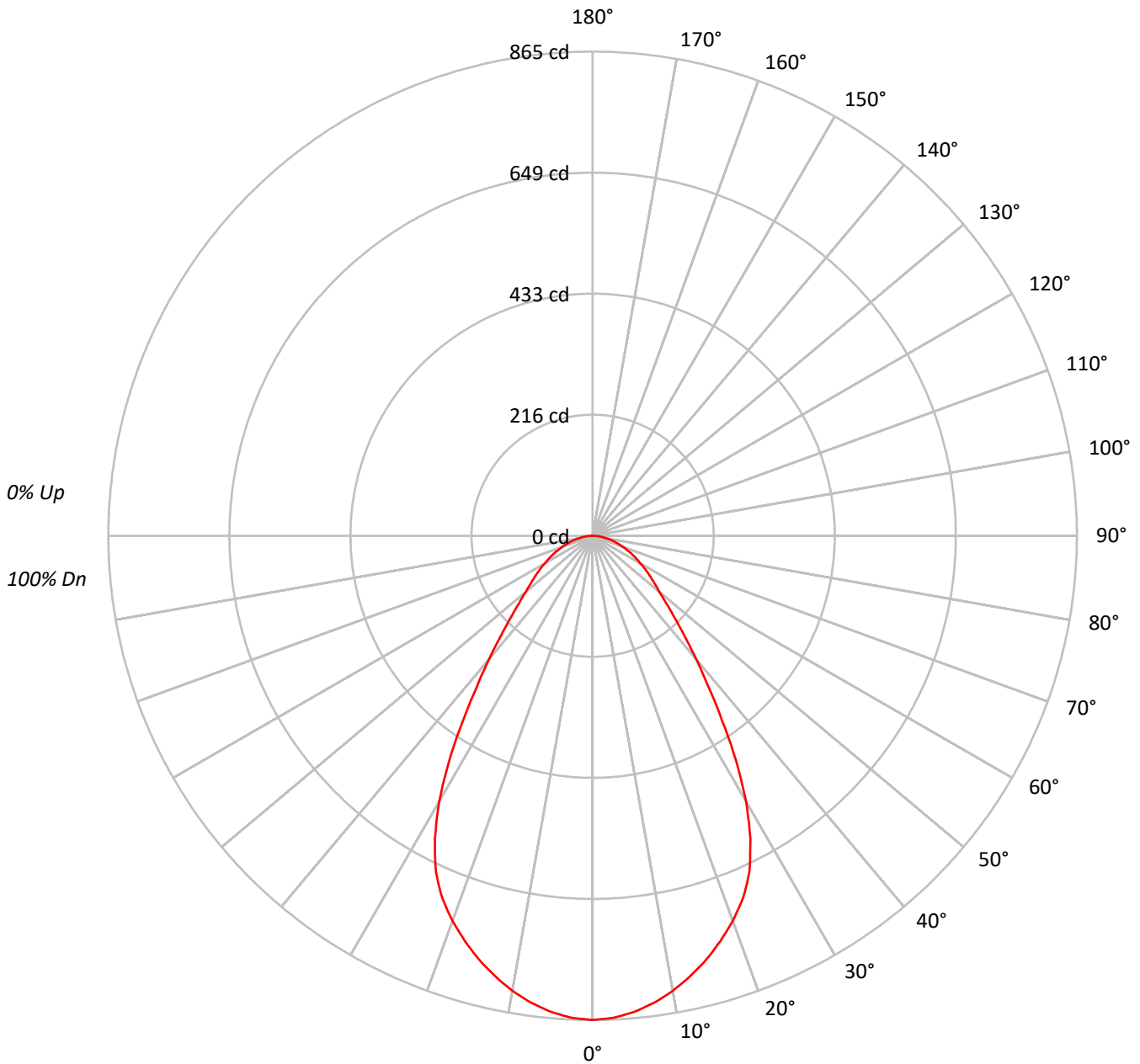
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	56440
5°	55922
10°	54687
15°	52953
20°	50814
25°	47697
30°	41275
35°	32136
40°	24434
45°	19043
50°	15793
55°	14172
60°	12905
65°	11902
70°	10949
75°	10133
80°	9167
85°	8384



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.6	6.4
10°-20°	220.3	17.5
20°-30°	300.0	23.8
30°-40°	253.9	20.1
40°-50°	162.8	12.9
50°-60°	112.1	8.9
60°-70°	76.6	6.1
70°-80°	42.6	3.4
80°-90°	12.5	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°	600.9	47.6
0°-40°	854.7	67.8
0°-60°	1129.6	89.6
0°-90°	1261.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1261.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	865	
5°	854	81
15°	784	220
25°	663	300
35°	404	254
45°	206	163
55°	125	112
65°	77	77
75°	40	43
85°	11	12
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	865.1
2.5°	861.8
5°	853.9
7.5°	841.4
10°	825.5
12.5°	805.8
15°	784.0
17.5°	758.9
20°	731.9
22.5°	701.5
25°	662.6
27.5°	609.9
30°	547.9
32.5°	476.8
35°	403.5
37.5°	339.6
40°	286.9
42.5°	242.6
45°	206.4
47.5°	178.0
50°	155.6
52.5°	138.5
55°	124.6
57.5°	111.4
60°	98.9
62.5°	87.8
65°	77.1
67.5°	66.6
70°	57.4
72.5°	48.1
75°	40.2
77.5°	32.2
80°	24.4
82.5°	17.8
85°	11.2
87.5°	4.6
90°	0.0



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— 0°-180°







(END OF REPORT)