

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: P252754

Luminaire Tested: **LE_6B10D010 EC6B10208035 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252754
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 EC6B10208035 6LBBA1MW
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1732.5 lumens
Efficiency: N/A
Efficacy: 173.3 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

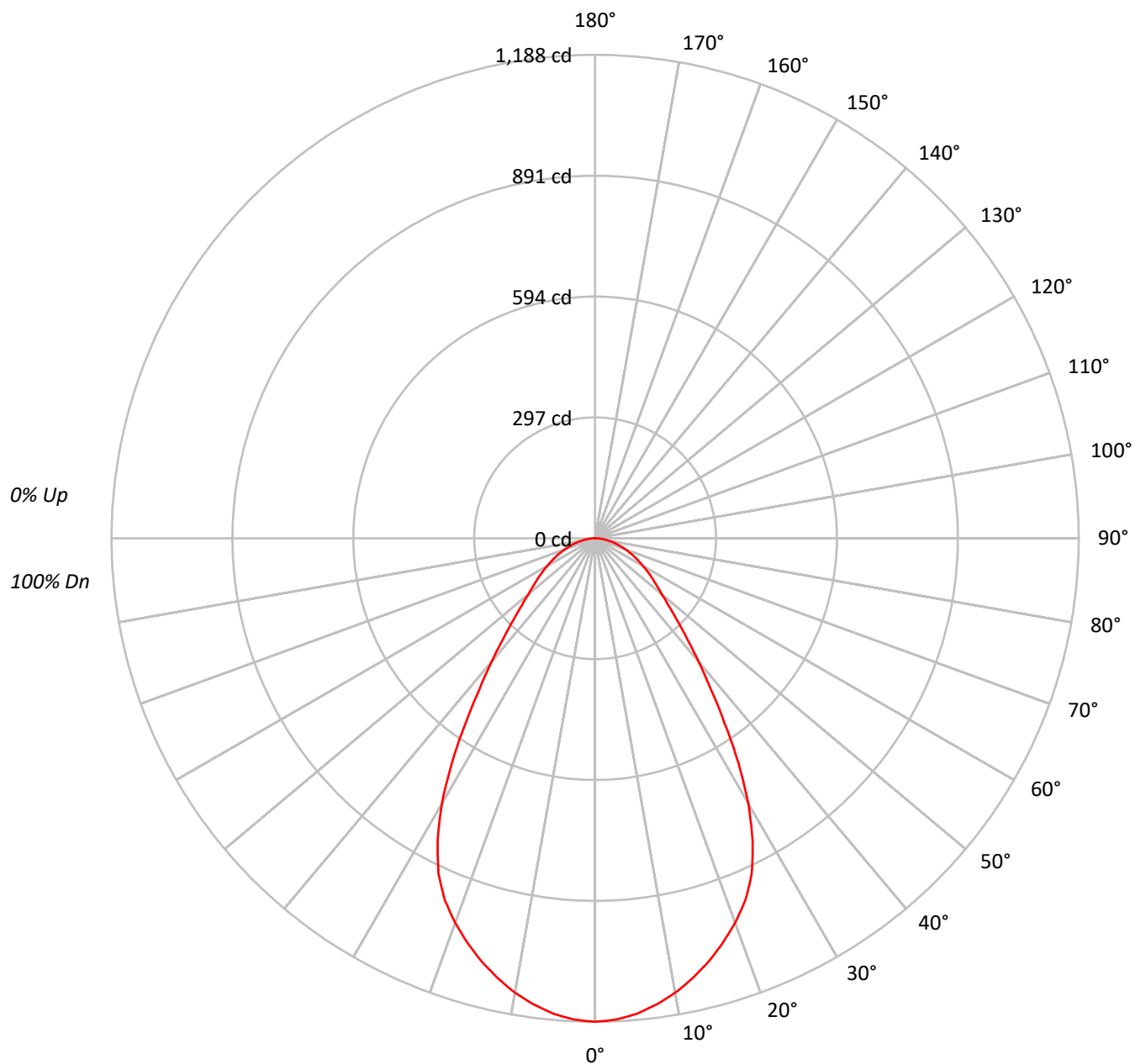
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	111	107	104	101	108	105	102	99	101	98	96		97	95	93		94
2	103	97	91	87	101	95	90	86	91	87	84		88	85	82		85
3	96	87	81	76	94	86	80	75	83	78	74		81	76	72		78
4	90	80	72	67	87	78	72	66	76	70	66		74	69	65		72
5	84	73	65	60	82	72	65	60	70	64	59		68	63	58		66
6	78	67	60	54	77	66	59	54	65	58	54		63	57	53		62
7	74	62	55	49	72	61	54	49	60	53	49		59	53	49		57
8	69	58	50	45	68	57	50	45	56	49	45		55	49	45		53
9	65	54	46	42	64	53	46	42	52	46	41		51	45	41		50
10	62	50	43	39	61	50	43	39	49	43	38		48	42	38		47

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	77519
5°	76813
10°	75124
15°	72736
20°	69803
25°	65521
30°	56696
35°	44139
40°	33555
45°	26157
50°	21700
55°	19462
60°	17732
65°	16363
70°	15031
75°	13914
80°	12586
85°	11528



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.7	6.4
10°-20°	302.6	17.5
20°-30°	412.1	23.8
30°-40°	348.7	20.1
40°-50°	223.7	12.9
50°-60°	153.9	8.9
60°-70°	105.2	6.1
70°-80°	58.5	3.4
80°-90°	17.2	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°	825.4	47.6
0°-40°	1174.1	67.8
0°-60°	1551.7	89.6
0°-90°	1732.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1732.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1188	
5°	1173	111
15°	1077	303
25°	910	412
35°	554	349
45°	284	224
55°	171	154
65°	106	105
75°	55	59
85°	15	17
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1188.2
2.5°	1183.8
5°	1172.9
7.5°	1155.6
10°	1134.0
12.5°	1106.8
15°	1076.9
17.5°	1042.5
20°	1005.4
22.5°	963.6
25°	910.2
27.5°	837.8
30°	752.6
32.5°	654.9
35°	554.2
37.5°	466.5
40°	394.0
42.5°	333.2
45°	283.5
47.5°	244.5
50°	213.8
52.5°	190.2
55°	171.1
57.5°	153.1
60°	135.9
62.5°	120.5
65°	106.0
67.5°	91.5
70°	78.8
72.5°	66.1
75°	55.2
77.5°	44.4
80°	33.5
82.5°	24.5
85°	15.4
87.5°	6.4
90°	0.0



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— 0°-180°







(END OF REPORT)