

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: P252765

Luminaire Tested: **LE_6B15D010 EC6B10208027 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252765
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_6B15D010 EC6B10208027 6LBBA1MW
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2231.2 lumens
Efficiency: N/A
Efficacy: 154.9 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

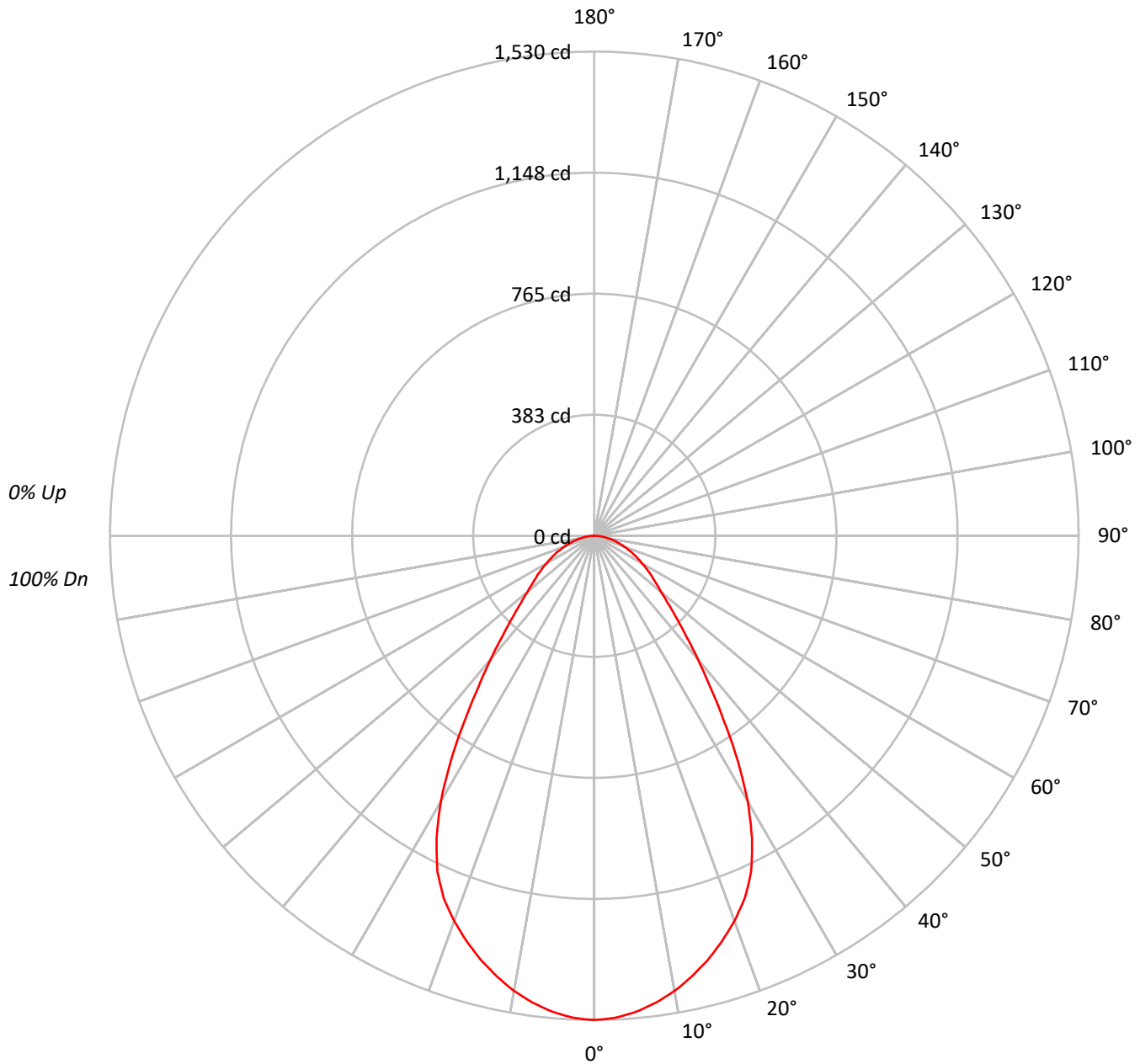
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	99844
5°	98922
10°	96747
15°	93674
20°	89895
25°	84381
30°	73028
35°	56858
40°	43213
45°	33686
50°	27932
55°	25080
60°	22834
65°	21072
70°	19361
75°	17922
80°	16193
85°	14896



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.6	6.4
10°-20°	389.7	17.5
20°-30°	530.7	23.8
30°-40°	449.1	20.1
40°-50°	288.1	12.9
50°-60°	198.3	8.9
60°-70°	135.4	6.1
70°-80°	75.3	3.4
80°-90°	22.0	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°	1063.0	47.6
0°-40°	1512.1	67.8
0°-60°	1998.5	89.6
0°-90°	2231.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2231.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1530	
5°	1510	143
15°	1387	390
25°	1172	531
35°	714	449
45°	365	288
55°	220	198
65°	136	135
75°	71	75
85°	20	22
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1530.4
2.5°	1524.5
5°	1510.5
7.5°	1488.4
10°	1460.4
12.5°	1425.4
15°	1386.9
17.5°	1342.6
20°	1294.8
22.5°	1241.1
25°	1172.2
27.5°	1079.0
30°	969.4
32.5°	843.4
35°	713.9
37.5°	600.8
40°	507.4
42.5°	429.2
45°	365.1
47.5°	315.0
50°	275.2
52.5°	245.0
55°	220.5
57.5°	197.1
60°	175.0
62.5°	155.1
65°	136.5
67.5°	117.8
70°	101.5
72.5°	85.1
75°	71.1
77.5°	57.1
80°	43.1
82.5°	31.5
85°	19.9
87.5°	8.1
90°	0.0



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— 0°-180°







(END OF REPORT)