

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: P252769

Luminaire Tested: **LE_6B15D010 EC6B10208050 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252769
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 EC6B10208050 6LBBA1MW
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2413.9 lumens
Efficiency: N/A
Efficacy: 167.6 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

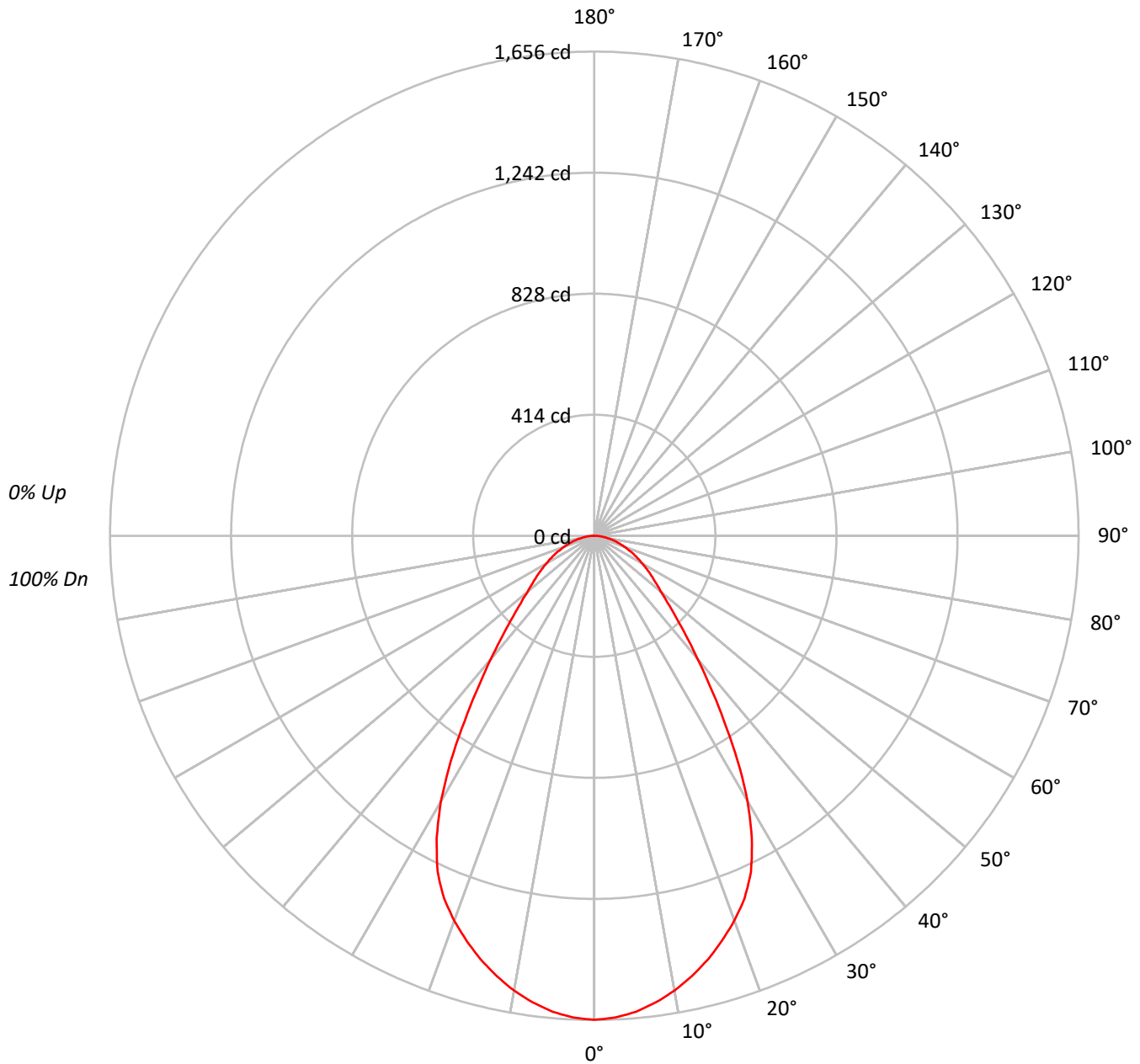
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	108006
5°	107017
10°	104664
15°	101340
20°	97240
25°	91284
30°	78995
35°	61501
40°	46747
45°	36444
50°	30226
55°	27128
60°	24687
65°	22785
70°	20944
75°	19409
80°	17583
85°	16094



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.2	6.4
10°-20°	421.6	17.5
20°-30°	574.1	23.8
30°-40°	485.8	20.1
40°-50°	311.7	12.9
50°-60°	214.4	8.9
60°-70°	146.5	6.1
70°-80°	81.6	3.4
80°-90°	23.9	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°	1149.9	47.6
0°-40°	1635.7	67.8
0°-60°	2161.9	89.6
0°-90°	2413.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2413.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1656	
5°	1634	154
15°	1500	422
25°	1268	574
35°	772	486
45°	395	312
55°	238	214
65°	148	147
75°	77	82
85°	22	24
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1655.5
2.5°	1649.2
5°	1634.1
7.5°	1610.1
10°	1579.9
12.5°	1542.0
15°	1500.4
17.5°	1452.4
20°	1400.6
22.5°	1342.6
25°	1268.1
27.5°	1167.2
30°	1048.6
32.5°	912.4
35°	772.2
37.5°	649.9
40°	548.9
42.5°	464.4
45°	395.0
47.5°	340.8
50°	297.8
52.5°	265.0
55°	238.5
57.5°	213.2
60°	189.2
62.5°	167.9
65°	147.6
67.5°	127.5
70°	109.8
72.5°	92.1
75°	77.0
77.5°	61.9
80°	46.8
82.5°	34.1
85°	21.5
87.5°	8.9
90°	0.0



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— 0°-180°







(END OF REPORT)