

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: P252773

Luminaire Tested: **LE_6B15D010 EC6B10209035 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252773
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 EC6B10209035 6LBBA1MW
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2020.0 lumens
Efficiency: N/A
Efficacy: 140.3 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

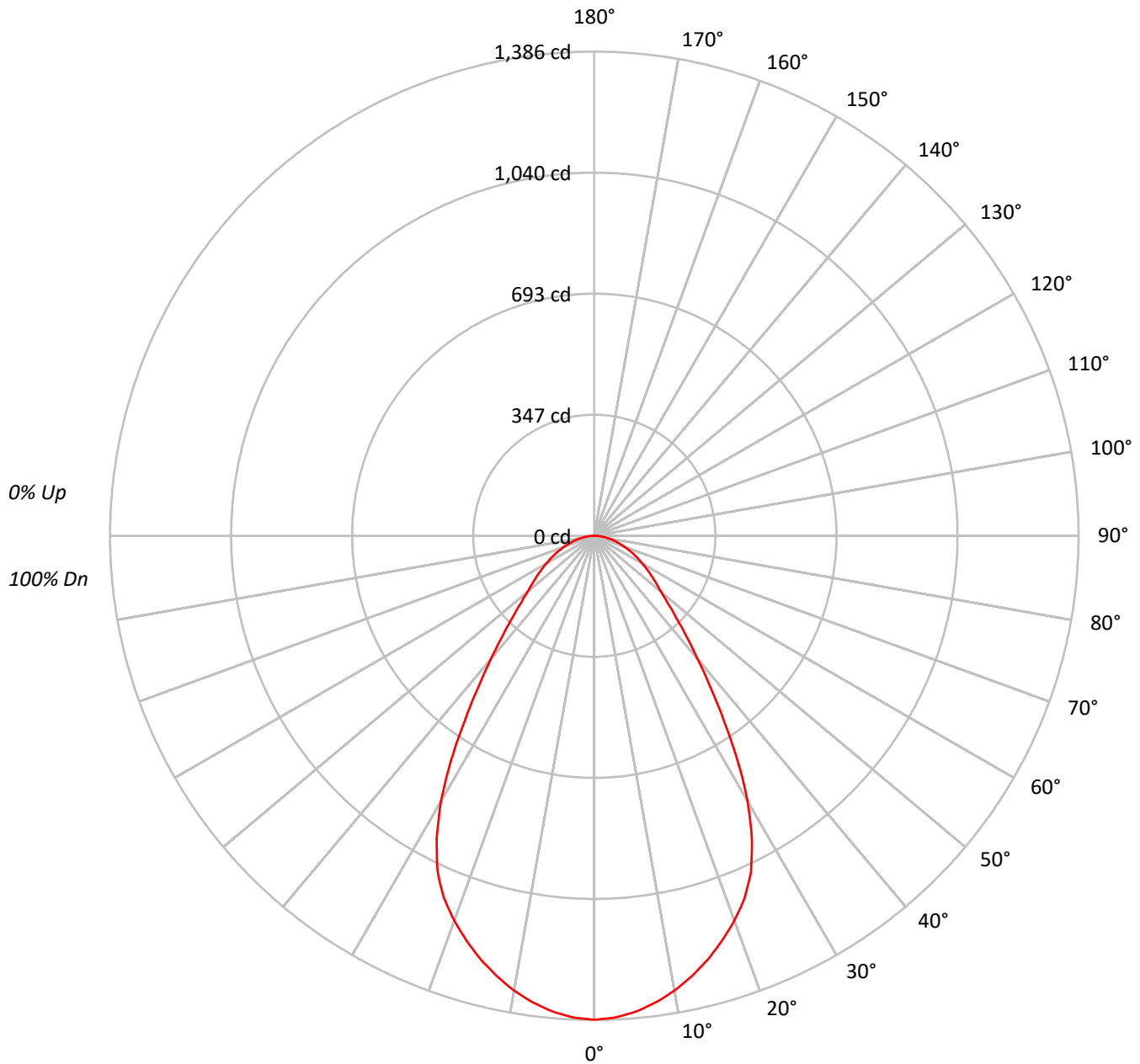
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	90391
5°	89557
10°	87585
15°	84806
20°	81376
25°	76391
30°	66105
35°	51466
40°	39125
45°	30493
50°	25293
55°	22703
60°	20668
65°	19065
70°	17530
75°	16233
80°	14690
85°	13474



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.1	6.4
10°-20°	352.8	17.5
20°-30°	480.5	23.8
30°-40°	406.6	20.1
40°-50°	260.8	12.9
50°-60°	179.5	8.9
60°-70°	122.6	6.1
70°-80°	68.2	3.4
80°-90°	20.0	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°	962.3	47.6
0°-40°	1368.9	67.8
0°-60°	1809.2	89.6
0°-90°	2020.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2020.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1386	
5°	1368	129
15°	1256	353
25°	1061	480
35°	646	407
45°	330	261
55°	200	179
65°	124	123
75°	64	68
85°	18	20
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1385.5
2.5°	1380.2
5°	1367.5
7.5°	1347.5
10°	1322.1
12.5°	1290.5
15°	1255.6
17.5°	1215.5
20°	1172.1
22.5°	1123.6
25°	1061.2
27.5°	976.8
30°	877.5
32.5°	763.5
35°	646.2
37.5°	543.9
40°	459.4
42.5°	388.6
45°	330.5
47.5°	285.1
50°	249.2
52.5°	221.8
55°	199.6
57.5°	178.5
60°	158.4
62.5°	140.5
65°	123.5
67.5°	106.6
70°	91.9
72.5°	77.1
75°	64.4
77.5°	51.8
80°	39.1
82.5°	28.5
85°	18.0
87.5°	7.4
90°	0.0



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— 0°-180°







(END OF REPORT)