

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: P252756

Luminaire Tested: **LE_6B10D010 EC6B10208050 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252756
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 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: 1751.3 lumens
Efficiency: N/A
Efficacy: 175.1 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

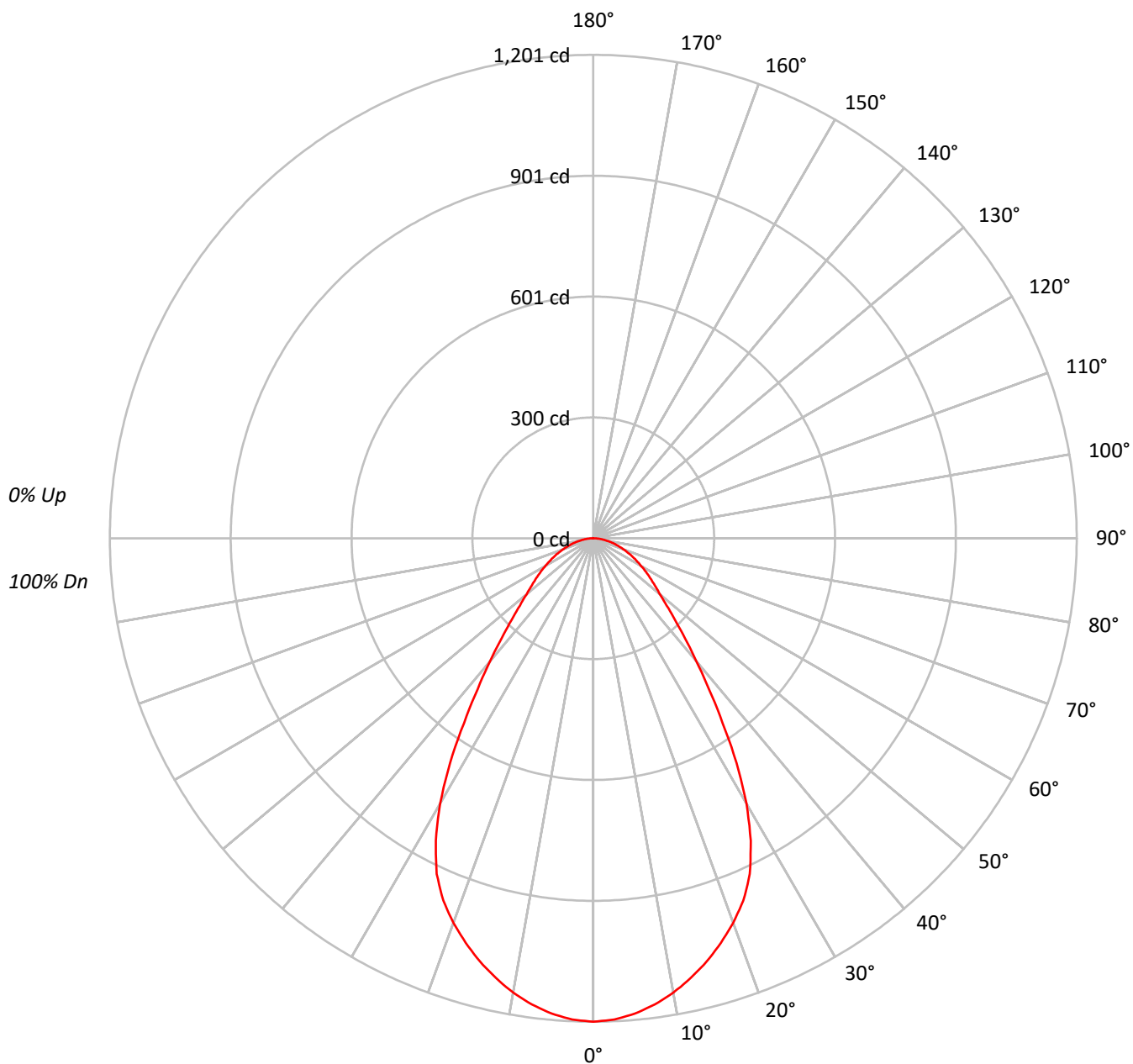
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RW	70	50	30	10		70	50	30	10		50	30	10		50	30	10		50	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	111	107	104	101		108	105	102	99		101	98	96		97	95	93		94	92	90
2	103	97	91	87		101	95	90	86		91	87	84		88	85	82		85	83	80
3	96	87	81	76		94	86	80	75		83	78	74		81	76	72		78	74	71
4	90	80	72	67		87	78	72	66		76	70	66		74	69	65		72	68	64
5	84	73	65	60		82	72	65	60		70	64	59		68	63	58		66	62	58
6	78	67	60	54		77	66	59	54		65	58	54		63	57	53		62	57	53
7	74	62	55	49		72	61	54	49		60	53	49		59	53	49		57	52	48
8	69	58	50	45		68	57	50	45		56	49	45		55	49	45		53	48	44
9	65	54	46	42		64	53	46	42		52	46	41		51	45	41		50	45	41
10	62	50	43	39		61	50	43	39		49	43	38		48	42	38		47	42	38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	78361
5°	77645
10°	75932
15°	73520
20°	70552
25°	66233
30°	57314
35°	44617
40°	33913
45°	26434
50°	21923
55°	19678
60°	17928
65°	16533
70°	15184
75°	14091
80°	12736
85°	11677



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.9	6.4
10°-20°	305.8	17.5
20°-30°	416.6	23.8
30°-40°	352.5	20.1
40°-50°	226.1	12.9
50°-60°	155.6	8.9
60°-70°	106.3	6.1
70°-80°	59.2	3.4
80°-90°	17.3	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°	834.3	47.6
0°-40°	1186.8	67.8
0°-60°	1568.5	89.6
0°-90°	1751.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1751.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1201	
5°	1186	112
15°	1088	306
25°	920	417
35°	560	352
45°	286	226
55°	173	156
65°	107	106
75°	56	59
85°	16	17
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1201.1
2.5°	1196.6
5°	1185.6
7.5°	1168.2
10°	1146.2
12.5°	1118.8
15°	1088.5
17.5°	1053.8
20°	1016.2
22.5°	974.1
25°	920.1
27.5°	846.9
30°	760.8
32.5°	661.9
35°	560.2
37.5°	471.5
40°	398.2
42.5°	336.9
45°	286.5
47.5°	247.2
50°	216.0
52.5°	192.2
55°	173.0
57.5°	154.8
60°	137.4
62.5°	121.8
65°	107.1
67.5°	92.5
70°	79.6
72.5°	66.9
75°	55.9
77.5°	44.9
80°	33.9
82.5°	24.8
85°	15.6
87.5°	6.4
90°	0.0



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— 0°-180°







(END OF REPORT)