

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: P252767

Luminaire Tested: **LE_6B15D010 EC6B10208035 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252767
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 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: 2390.0 lumens
Efficiency: N/A
Efficacy: 166.0 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

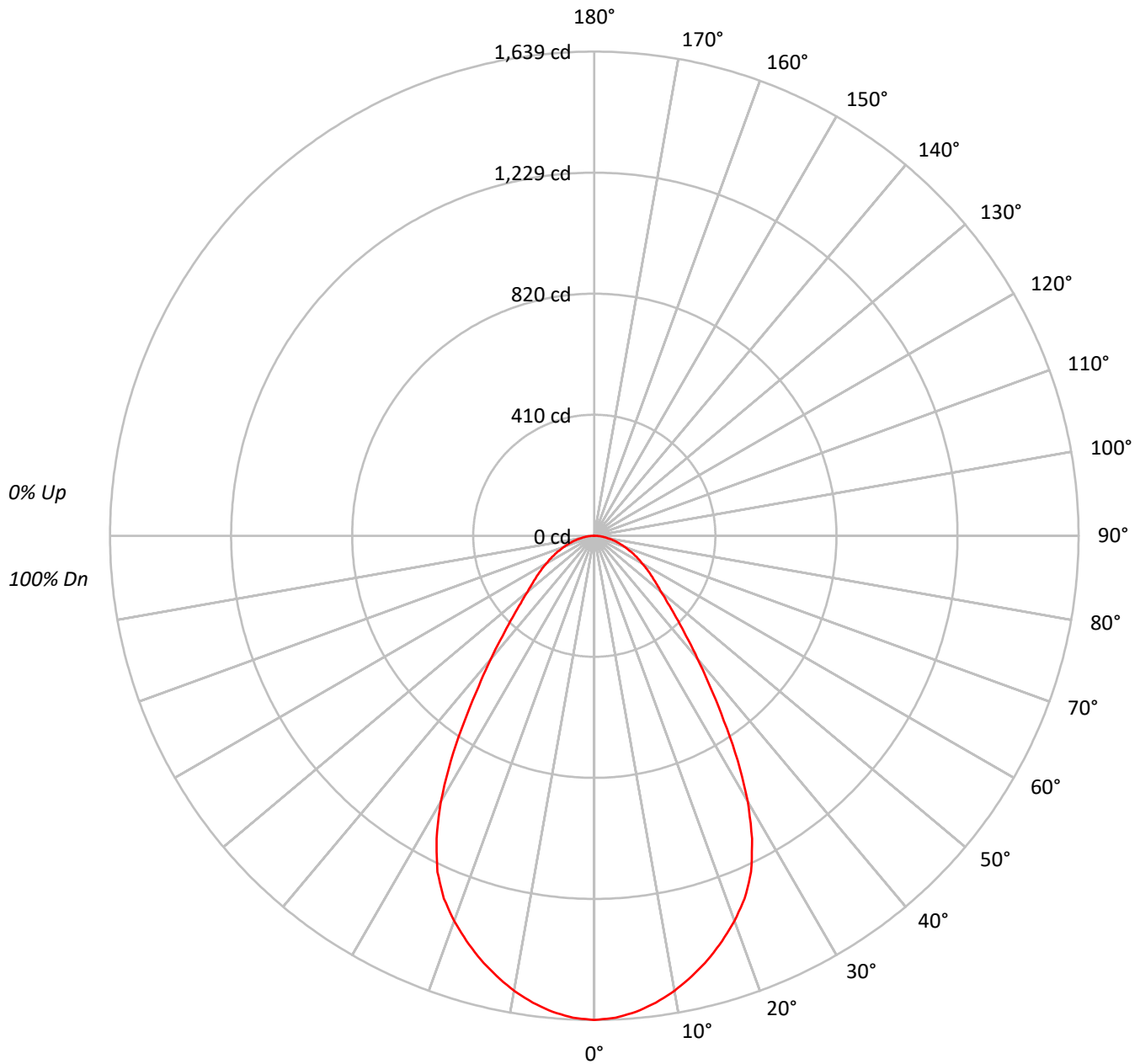
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	30	10	50	30
RCR																			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	88	
2	103	97	91	87	101	95	90	86	91	87	84	88	85	82	85	83	80	78	
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	69	
4	90	80	72	67	87	78	72	66	76	70	66	74	69	65	72	68	64	62	
5	84	73	65	60	82	72	65	60	70	64	59	68	63	58	66	62	58	56	
6	78	67	60	54	77	66	59	54	65	58	54	63	57	53	62	57	53	51	
7	74	62	55	49	72	61	54	49	60	53	49	59	53	49	57	52	48	47	
8	69	58	50	45	68	57	50	45	56	49	45	55	49	45	53	48	44	43	
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	45	41	39	
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37	

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	106942
5°	105963
10°	103624
15°	100340
20°	96289
25°	90384
30°	78211
35°	60896
40°	46287
45°	36085
50°	29931
55°	26855
60°	24452
65°	22554
70°	20754
75°	19208
80°	17358
85°	15869



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.7	6.4
10°-20°	417.4	17.5
20°-30°	568.5	23.8
30°-40°	481.0	20.1
40°-50°	308.6	12.9
50°-60°	212.3	8.9
60°-70°	145.0	6.1
70°-80°	80.7	3.4
80°-90°	23.6	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°	1138.6	47.6
0°-40°	1619.6	67.8
0°-60°	2140.6	89.6
0°-90°	2390.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2390.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1639	
5°	1618	153
15°	1486	417
25°	1256	568
35°	765	481
45°	391	309
55°	236	212
65°	146	145
75°	76	81
85°	21	24
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1639.2
2.5°	1633.0
5°	1618.0
7.5°	1594.2
10°	1564.2
12.5°	1526.8
15°	1485.6
17.5°	1438.1
20°	1386.9
22.5°	1329.4
25°	1255.6
27.5°	1155.8
30°	1038.2
32.5°	903.4
35°	764.6
37.5°	643.5
40°	543.5
42.5°	459.8
45°	391.1
47.5°	337.4
50°	294.9
52.5°	262.4
55°	236.1
57.5°	211.1
60°	187.4
62.5°	166.1
65°	146.1
67.5°	126.2
70°	108.8
72.5°	91.2
75°	76.2
77.5°	61.2
80°	46.2
82.5°	33.8
85°	21.2
87.5°	8.8
90°	0.0



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— 0°-180°







(END OF REPORT)