

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: P252835

Luminaire Tested: **LE_6B60D010R EC6B60709024 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252835
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_6B60D010R EC6B60709024 6LBBA1MW
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6862.5 lumens
Efficiency: N/A
Efficacy: 109.8 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

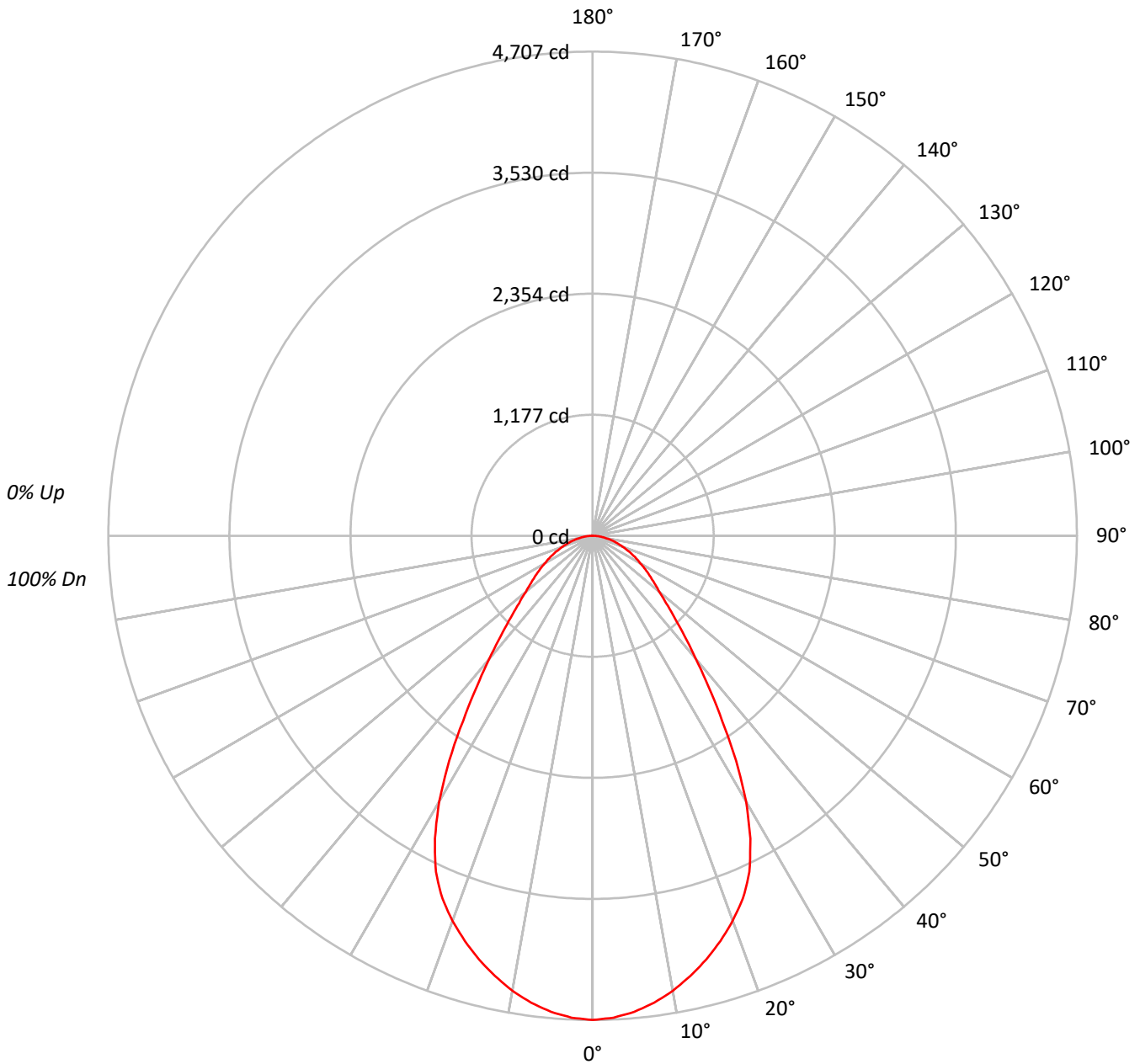
Input Watts (W): 62.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
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°	307081
5°	304259
10°	297555
15°	288107
20°	276468
25°	259542
30°	224584
35°	174867
40°	132909
45°	103603
50°	85927
55°	77118
60°	70212
65°	64806
70°	59533
75°	55178
80°	49894
85°	45662



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	438.5	6.4
10°-20°	1198.5	17.5
20°-30°	1632.3	23.8
30°-40°	1381.2	20.1
40°-50°	886.1	12.9
50°-60°	609.7	8.9
60°-70°	416.6	6.1
70°-80°	231.8	3.4
80°-90°	67.8	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°	3269.3	47.6
0°-40°	4650.5	67.8
0°-60°	6146.3	89.6
0°-90°	6862.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6862.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4707	
5°	4646	439
15°	4266	1198
25°	3606	1632
35°	2196	1381
45°	1123	886
55°	678	610
65°	420	417
75°	219	232
85°	61	68
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4706.9
2.5°	4688.9
5°	4645.9
7.5°	4577.8
10°	4491.6
12.5°	4384.0
15°	4265.6
17.5°	4129.2
20°	3982.1
22.5°	3817.1
25°	3605.5
27.5°	3318.5
30°	2981.2
32.5°	2593.8
35°	2195.6
37.5°	1847.6
40°	1560.6
42.5°	1320.2
45°	1122.9
47.5°	968.6
50°	846.6
52.5°	753.4
55°	678.0
57.5°	606.2
60°	538.1
62.5°	477.1
65°	419.8
67.5°	362.4
70°	312.1
72.5°	261.9
75°	218.9
77.5°	175.8
80°	132.8
82.5°	96.9
85°	61.0
87.5°	25.1
90°	0.0



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— 0°-180°







(END OF REPORT)