

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: P252834

Luminaire Tested: **LE_6B60D010R EC6B60708050 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252834
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 EC6B60708050 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: 9832.5 lumens
Efficiency: N/A
Efficacy: 157.3 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

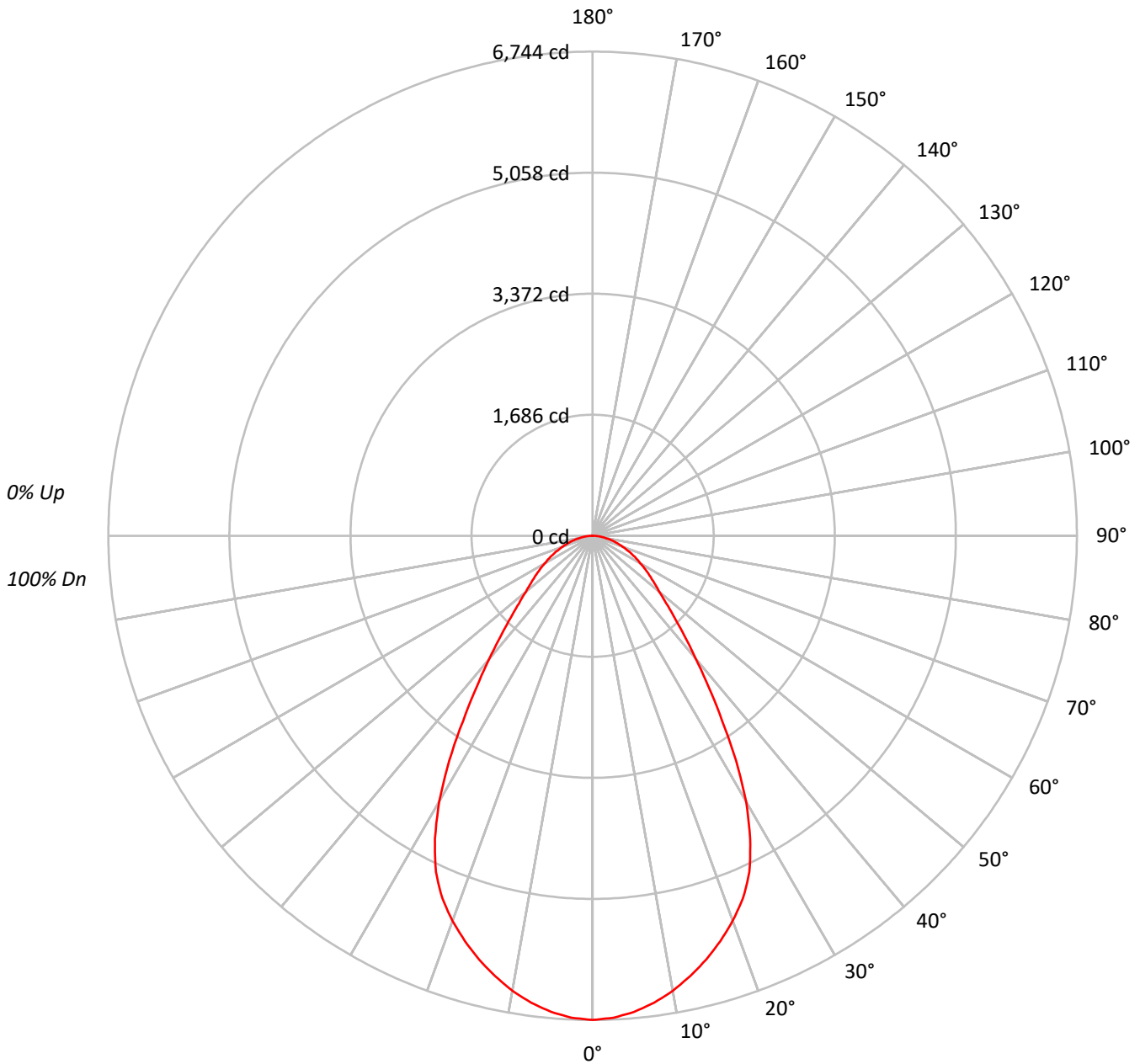
Input Watts (W): 62.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	439976
5°	435933
10°	426333
15°	412790
20°	396126
25°	371868
30°	321787
35°	250544
40°	190430
45°	148444
50°	123125
55°	110502
60°	100601
65°	92840
70°	85304
75°	79024
80°	71422
85°	65423



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	628.3	6.4
10°-20°	1717.2	17.5
20°-30°	2338.7	23.8
30°-40°	1979.0	20.1
40°-50°	1269.6	12.9
50°-60°	873.7	8.9
60°-70°	596.8	6.1
70°-80°	332.1	3.4
80°-90°	97.2	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°	4684.2	47.6
0°-40°	6663.2	67.8
0°-60°	8806.5	89.6
0°-90°	9832.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9832.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6744	
5°	6656	628
15°	6112	1717
25°	5166	2339
35°	3146	1979
45°	1609	1270
55°	972	874
65°	601	597
75°	314	332
85°	87	97
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6743.9
2.5°	6718.2
5°	6656.5
7.5°	6558.9
10°	6435.5
12.5°	6281.2
15°	6111.6
17.5°	5916.4
20°	5705.6
22.5°	5469.1
25°	5165.9
27.5°	4754.6
30°	4271.5
32.5°	3716.4
35°	3145.8
37.5°	2647.2
40°	2236.0
42.5°	1891.6
45°	1608.9
47.5°	1387.9
50°	1213.1
52.5°	1079.5
55°	971.5
57.5°	868.8
60°	771.0
62.5°	683.6
65°	601.4
67.5°	519.1
70°	447.2
72.5°	375.2
75°	313.5
77.5°	251.9
80°	190.1
82.5°	138.8
85°	87.4
87.5°	36.0
90°	0.0



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— 0°-180°







(END OF REPORT)