

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: P252806

Luminaire Tested: **LE_6B40D010 EC6B30508035 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252806
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_6B40D010 EC6B30508035 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: 6808.7 lumens
Efficiency: N/A
Efficacy: 158.3 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

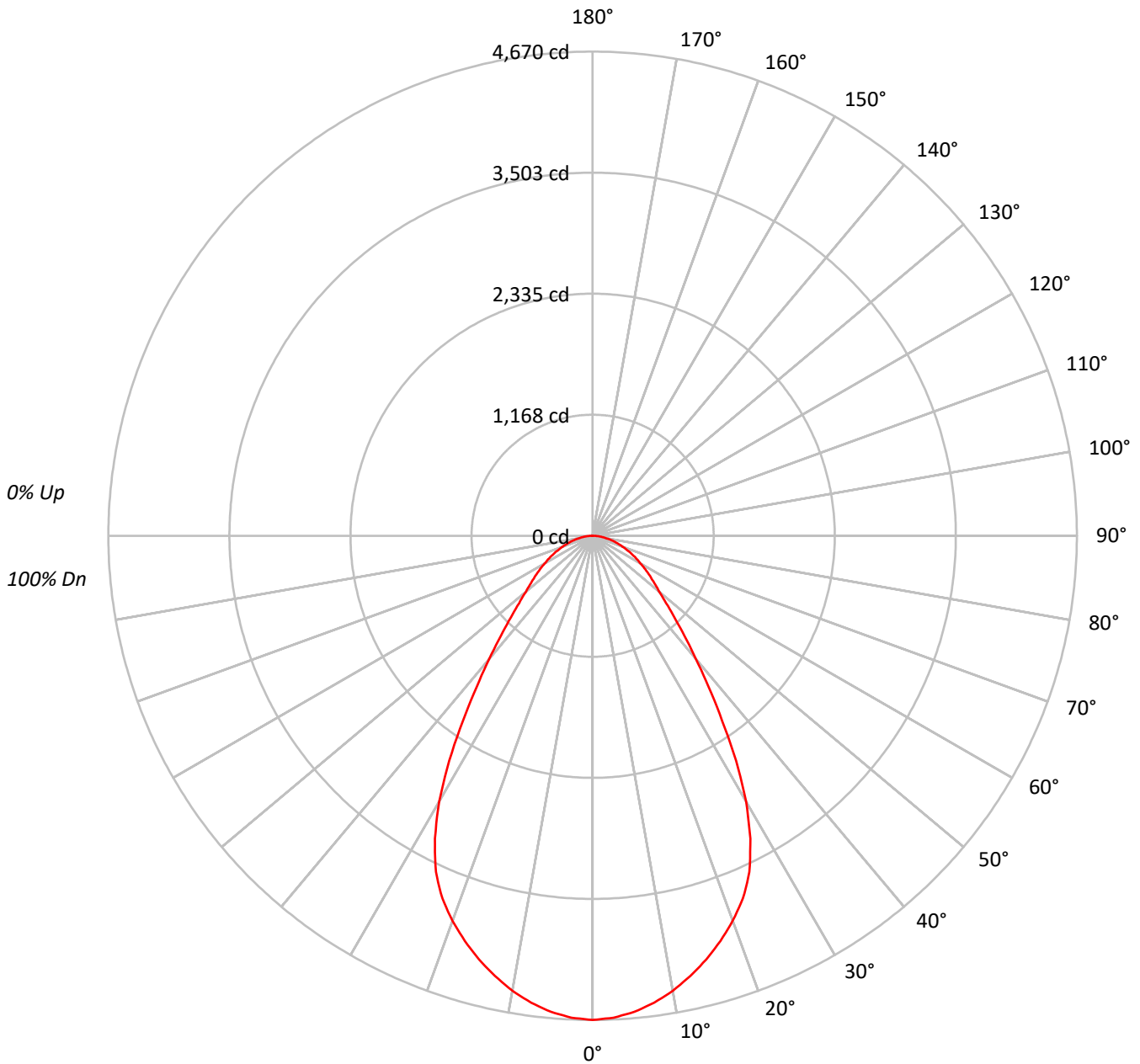
Input Watts (W): 43
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				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				100
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	88				88
2	103	97	91	87	101	95	90	86	91	87	84	88	85	82	85	83	80	78				78
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	69				69
4	90	80	72	67	87	78	72	66	76	70	66	74	69	65	72	68	64	62				62
5	84	73	65	60	82	72	65	60	70	64	59	68	63	58	66	62	58	56				56
6	78	67	60	54	77	66	59	54	65	58	54	63	57	53	62	57	53	51				51
7	74	62	55	49	72	61	54	49	60	53	49	59	53	49	57	52	48	47				47
8	69	58	50	45	68	57	50	45	56	49	45	55	49	45	53	48	44	43				43
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	45	41	39				39
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37				37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	304674
5°	301875
10°	295223
15°	285845
20°	274309
25°	257505
30°	222829
35°	173497
40°	131870
45°	102792
50°	85257
55°	76527
60°	69664
65°	64296
70°	59056
75°	54724
80°	49518
85°	45287



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	435.1	6.4
10°-20°	1189.1	17.5
20°-30°	1619.5	23.8
30°-40°	1370.4	20.1
40°-50°	879.1	12.9
50°-60°	605.0	8.9
60°-70°	413.3	6.1
70°-80°	230.0	3.4
80°-90°	67.3	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°	3243.7	47.6
0°-40°	4614.1	67.8
0°-60°	6098.2	89.6
0°-90°	6808.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6808.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4670	
5°	4610	435
15°	4232	1189
25°	3577	1619
35°	2178	1370
45°	1114	879
55°	673	605
65°	416	413
75°	217	230
85°	60	67
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4670.0
2.5°	4652.2
5°	4609.5
7.5°	4541.9
10°	4456.4
12.5°	4349.6
15°	4232.1
17.5°	4096.9
20°	3951.0
22.5°	3787.2
25°	3577.2
27.5°	3292.5
30°	2957.9
32.5°	2573.5
35°	2178.4
37.5°	1833.1
40°	1548.4
42.5°	1309.9
45°	1114.1
47.5°	961.0
50°	840.0
52.5°	747.5
55°	672.8
57.5°	601.5
60°	533.9
62.5°	473.4
65°	416.5
67.5°	359.5
70°	309.6
72.5°	259.9
75°	217.1
77.5°	174.4
80°	131.8
82.5°	96.1
85°	60.5
87.5°	24.9
90°	0.0



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— 0°-180°







(END OF REPORT)