

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: P252816

Luminaire Tested: **LE_6B40D010 EC6B30509730 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252816
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 EC6B30509730 6LBBA1MW
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM
Light Source: (1) HIGH LUMEN LED 97CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4960.0 lumens
Efficiency: N/A
Efficacy: 115.3 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

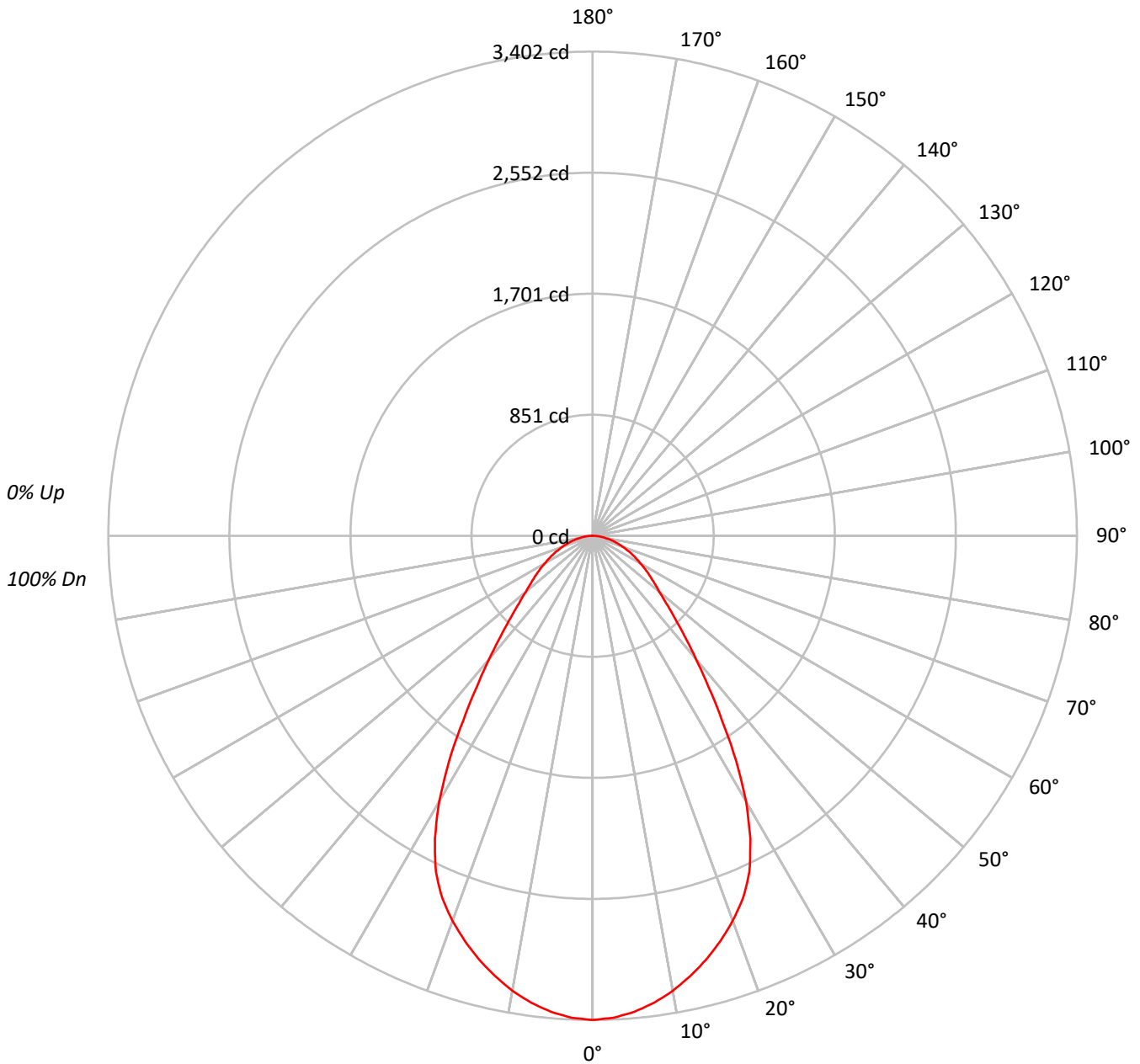
Input Watts (W): 43
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	221949
5°	219908
10°	215064
15°	208232
20°	199827
25°	187586
30°	162328
35°	126387
40°	96067
45°	74882
50°	62116
55°	55746
60°	50757
65°	46837
70°	43033
75°	39852
80°	36068
85°	33011



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	316.9	6.4
10°-20°	866.2	17.5
20°-30°	1179.8	23.8
30°-40°	998.3	20.1
40°-50°	640.4	12.9
50°-60°	440.7	8.9
60°-70°	301.1	6.1
70°-80°	167.5	3.4
80°-90°	49.0	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°	2362.9	47.6
0°-40°	3361.3	67.8
0°-60°	4442.4	89.6
0°-90°	4960.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4960.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3402	
5°	3358	317
15°	3083	866
25°	2606	1180
35°	1587	998
45°	812	640
55°	490	441
65°	303	301
75°	158	167
85°	44	49
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3402.0
2.5°	3389.0
5°	3357.9
7.5°	3308.6
10°	3246.4
12.5°	3168.6
15°	3083.0
17.5°	2984.5
20°	2878.2
22.5°	2758.9
25°	2605.9
27.5°	2398.5
30°	2154.8
32.5°	1874.8
35°	1586.9
37.5°	1335.4
40°	1128.0
42.5°	954.2
45°	811.6
47.5°	700.1
50°	612.0
52.5°	544.5
55°	490.1
57.5°	438.2
60°	389.0
62.5°	344.9
65°	303.4
67.5°	261.9
70°	225.6
72.5°	189.2
75°	158.1
77.5°	127.0
80°	96.0
82.5°	70.0
85°	44.1
87.5°	18.1
90°	0.0



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— 0°-180°







(END OF REPORT)