

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: P252805

Luminaire Tested: **LE_6B40D010 EC6B30508030 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252805
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 EC6B30508030 6LBBA1MW
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6643.7 lumens
Efficiency: N/A
Efficacy: 154.5 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

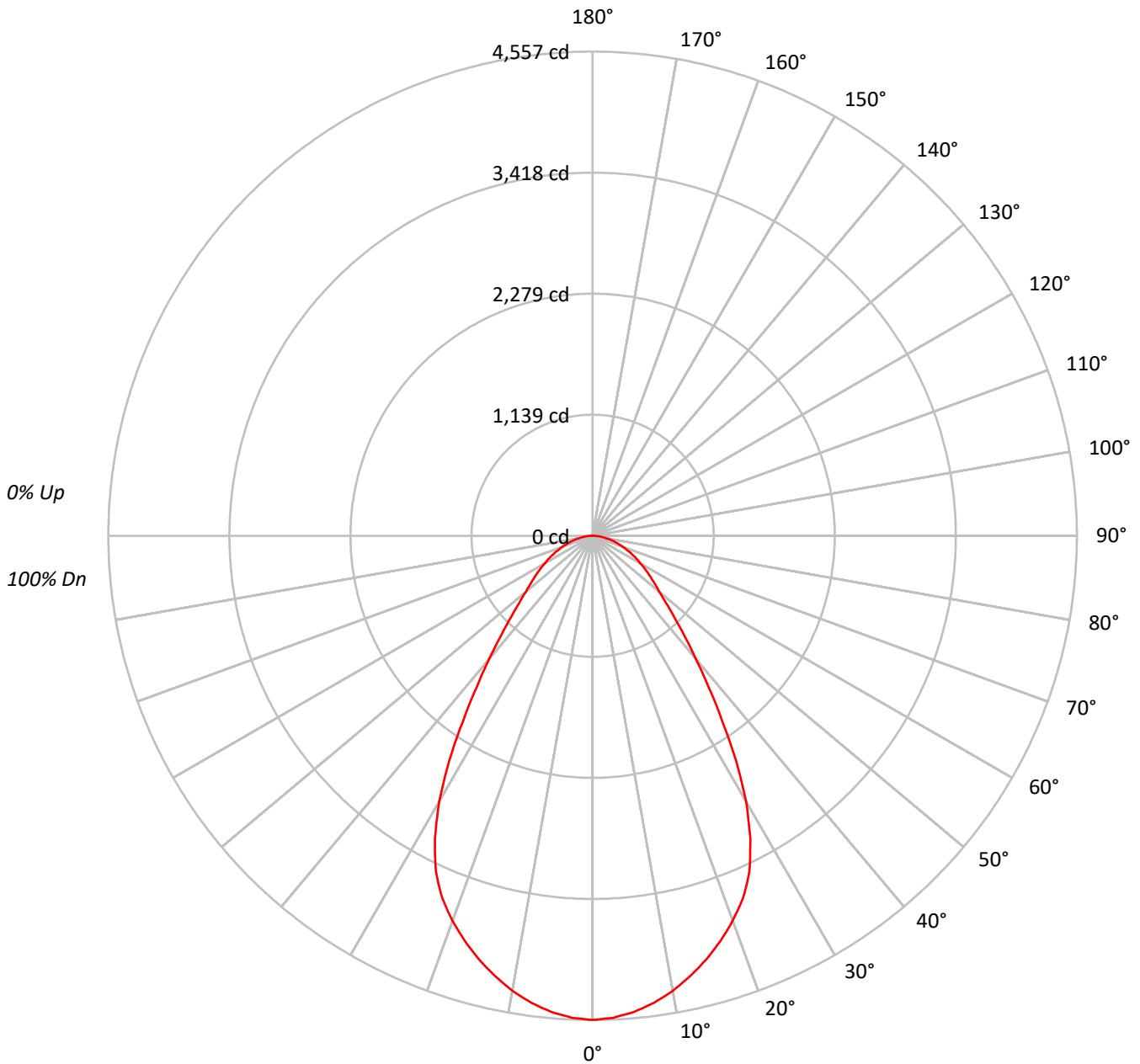
Input Watts (W): 43
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P252805

CATALOG NUMBER: LE_6B40D010 EC6B30508030 6LBBA1MW

Luminous Intensity Polar Plot





TEST NUMBER: P252805

CATALOG NUMBER: LE_6B40D010 EC6B30508030 6LBBA1MW

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°	297295
5°	294560
10°	288069
15°	278922
20°	267657
25°	251264
30°	217427
35°	169291
40°	128677
45°	100300
50°	83186
55°	74661
60°	67981
65°	62737
70°	57626
75°	53414
80°	48278
85°	44165



TEST NUMBER: P252805

CATALOG NUMBER: LE_6B40D010 EC6B30508030 6LBBA1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	424.5	6.4
10°-20°	1160.3	17.5
20°-30°	1580.3	23.8
30°-40°	1337.2	20.1
40°-50°	857.8	12.9
50°-60°	590.3	8.9
60°-70°	403.3	6.1
70°-80°	224.4	3.4
80°-90°	65.6	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°	3165.1	47.6
0°-40°	4502.3	67.8
0°-60°	5950.4	89.6
0°-90°	6643.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6643.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4557	
5°	4498	425
15°	4130	1160
25°	3490	1580
35°	2126	1337
45°	1087	858
55°	656	590
65°	406	403
75°	212	224
85°	59	66
90°	0	



TEST NUMBER: P252805

CATALOG NUMBER: LE_6B40D010 EC6B30508030 6LBBA1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	4556.9
2.5°	4539.5
5°	4497.8
7.5°	4431.8
10°	4348.4
12.5°	4244.2
15°	4129.6
17.5°	3997.6
20°	3855.2
22.5°	3695.5
25°	3490.5
27.5°	3212.8
30°	2886.2
32.5°	2511.1
35°	2125.6
37.5°	1788.8
40°	1510.9
42.5°	1278.1
45°	1087.1
47.5°	937.8
50°	819.6
52.5°	729.4
55°	656.4
57.5°	587.0
60°	521.0
62.5°	461.9
65°	406.4
67.5°	350.8
70°	302.1
72.5°	253.5
75°	211.9
77.5°	170.1
80°	128.5
82.5°	93.8
85°	59.0
87.5°	24.2
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)