

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: P252813

Luminaire Tested: **LE_6B40D010 EC6B30509040 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252813
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 EC6B30509040 6LBBA1MW
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5765.1 lumens
Efficiency: N/A
Efficacy: 134.1 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

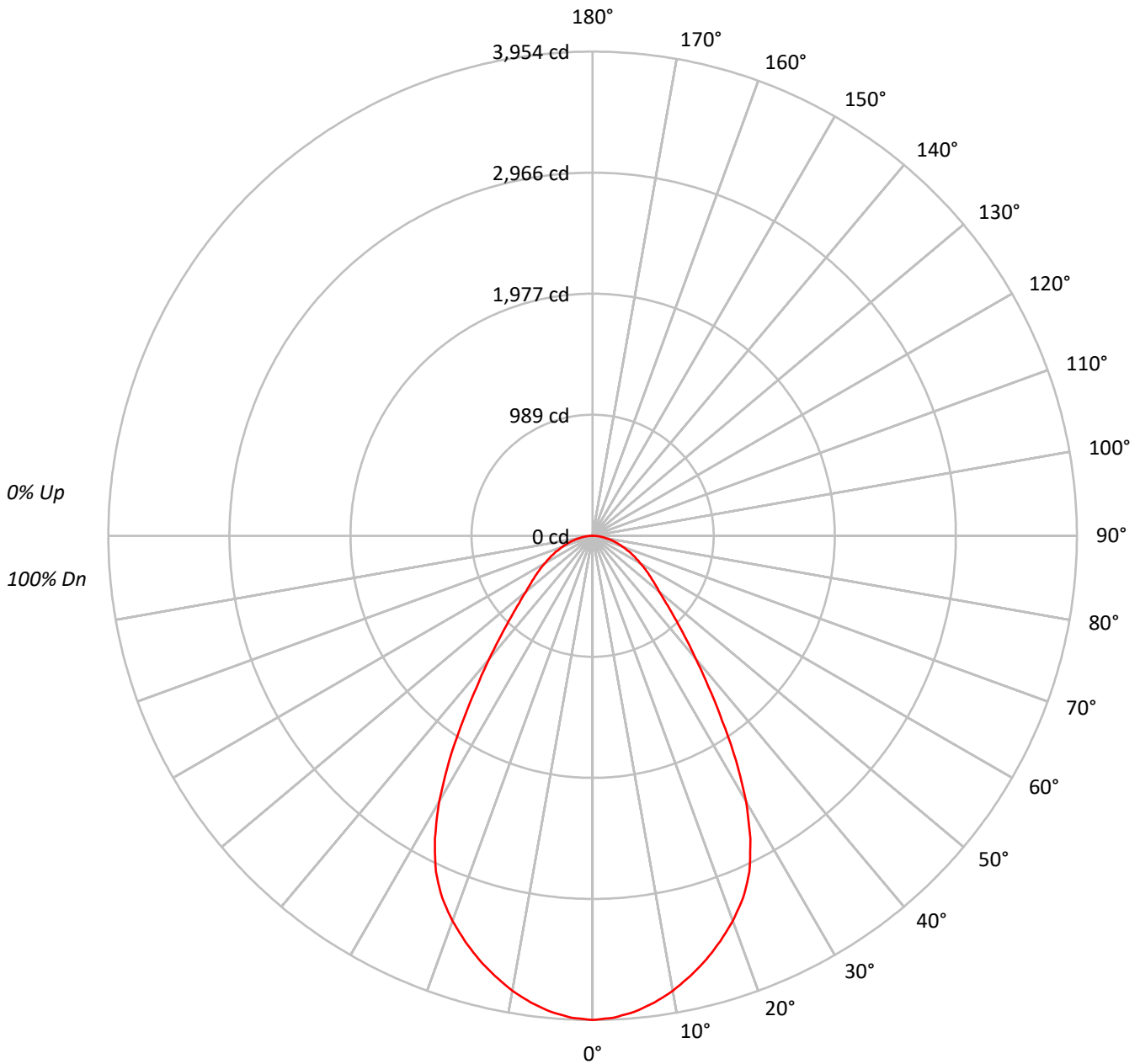
Input Watts (W): 43
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	257968
5°	255600
10°	249963
15°	242030
20°	232263
25°	218036
30°	188672
35°	146904
40°	111652
45°	87042
50°	72184
55°	64788
60°	58991
65°	54432
70°	50015
75°	46356
80°	41891
85°	38326



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	368.4	6.4
10°-20°	1006.8	17.5
20°-30°	1371.2	23.8
30°-40°	1160.3	20.1
40°-50°	744.4	12.9
50°-60°	512.2	8.9
60°-70°	349.9	6.1
70°-80°	194.7	3.4
80°-90°	57.0	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°	2746.5	47.6
0°-40°	3906.8	67.8
0°-60°	5163.4	89.6
0°-90°	5765.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5765.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3954	
5°	3903	368
15°	3583	1007
25°	3029	1371
35°	1844	1160
45°	943	744
55°	570	512
65°	353	350
75°	184	195
85°	51	57
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3954.1
2.5°	3939.0
5°	3902.9
7.5°	3845.6
10°	3773.2
12.5°	3682.9
15°	3583.4
17.5°	3468.9
20°	3345.4
22.5°	3206.6
25°	3028.9
27.5°	2787.8
30°	2504.5
32.5°	2179.0
35°	1844.5
37.5°	1552.1
40°	1311.0
42.5°	1109.1
45°	943.4
47.5°	813.8
50°	711.2
52.5°	632.9
55°	569.6
57.5°	509.4
60°	452.1
62.5°	400.9
65°	352.6
67.5°	304.4
70°	262.2
72.5°	220.0
75°	183.9
77.5°	147.6
80°	111.5
82.5°	81.4
85°	51.2
87.5°	21.1
90°	0.0



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— 0°-180°







(END OF REPORT)