

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: P252808

Luminaire Tested: **LE_6B40D010 EC6B30508050 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252808
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 EC6B30508050 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: 6877.4 lumens
Efficiency: N/A
Efficacy: 159.9 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

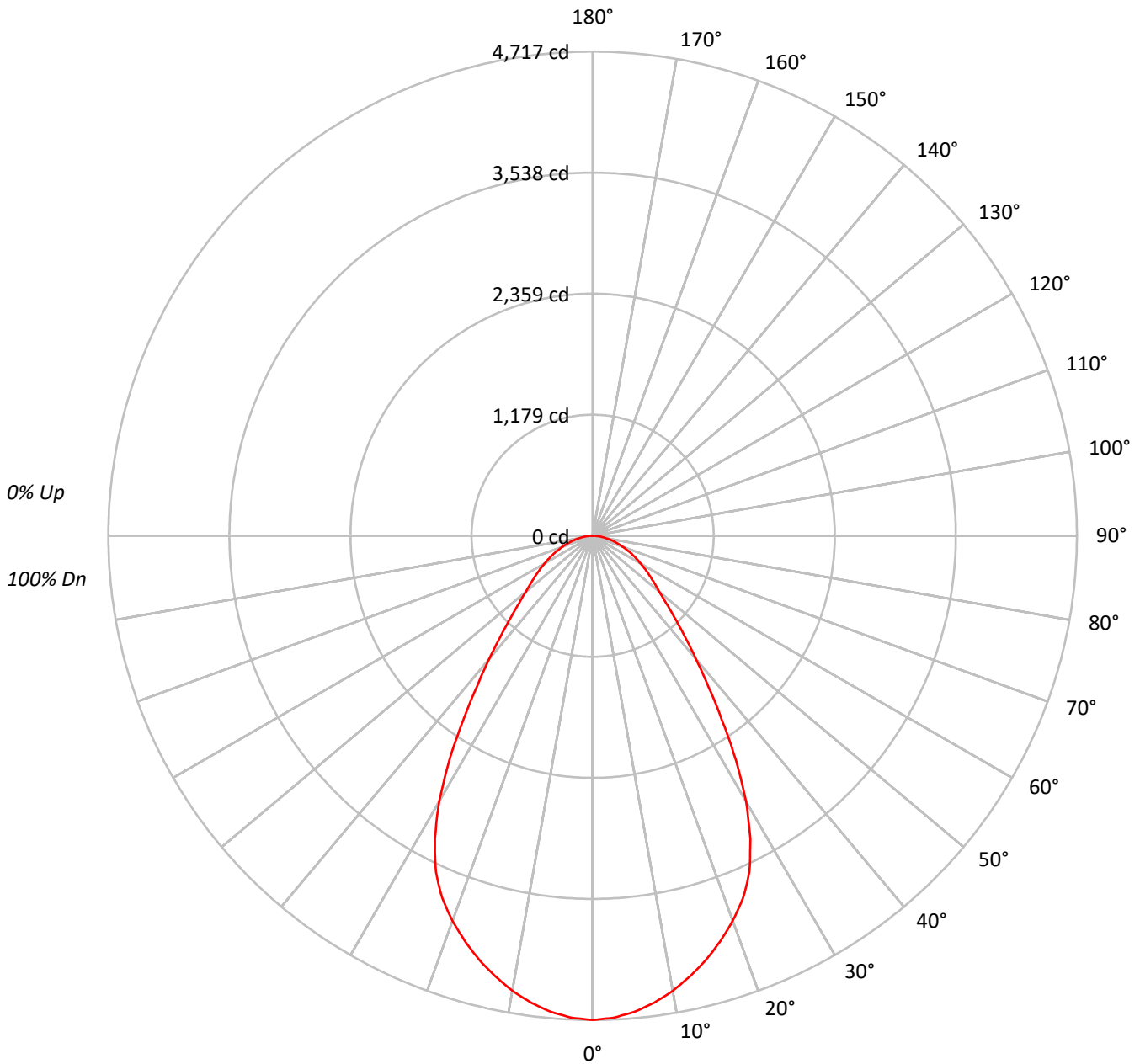
Input Watts (W): 43
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	307747
5°	304921
10°	298205
15°	288736
20°	277079
25°	260111
30°	225081
35°	175249
40°	133199
45°	103834
50°	86120
55°	77289
60°	70355
65°	64929
70°	59667
75°	55304
80°	49969
85°	45737



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	439.5	6.4
10°-20°	1201.1	17.5
20°-30°	1635.9	23.8
30°-40°	1384.3	20.1
40°-50°	888.0	12.9
50°-60°	611.0	8.9
60°-70°	417.4	6.1
70°-80°	232.3	3.4
80°-90°	68.0	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°	3276.5	47.6
0°-40°	4660.7	67.8
0°-60°	6159.8	89.6
0°-90°	6877.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6877.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4717	
5°	4656	439
15°	4275	1201
25°	3613	1636
35°	2200	1384
45°	1125	888
55°	680	611
65°	421	417
75°	219	232
85°	61	68
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4717.1
2.5°	4699.1
5°	4656.0
7.5°	4587.8
10°	4501.4
12.5°	4393.5
15°	4274.9
17.5°	4138.2
20°	3990.9
22.5°	3825.5
25°	3613.4
27.5°	3325.8
30°	2987.8
32.5°	2599.5
35°	2200.4
37.5°	1851.6
40°	1564.0
42.5°	1323.1
45°	1125.4
47.5°	970.8
50°	848.5
52.5°	755.0
55°	679.5
57.5°	607.6
60°	539.2
62.5°	478.1
65°	420.6
67.5°	363.1
70°	312.8
72.5°	262.5
75°	219.4
77.5°	176.1
80°	133.0
82.5°	97.1
85°	61.1
87.5°	25.1
90°	0.0



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— 0°-180°







(END OF REPORT)