

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: P252811

Luminaire Tested: **LE_6B40D010 EC6B30509030 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252811
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 EC6B30509030 6LBBA1MW
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5673.7 lumens
Efficiency: N/A
Efficacy: 131.9 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

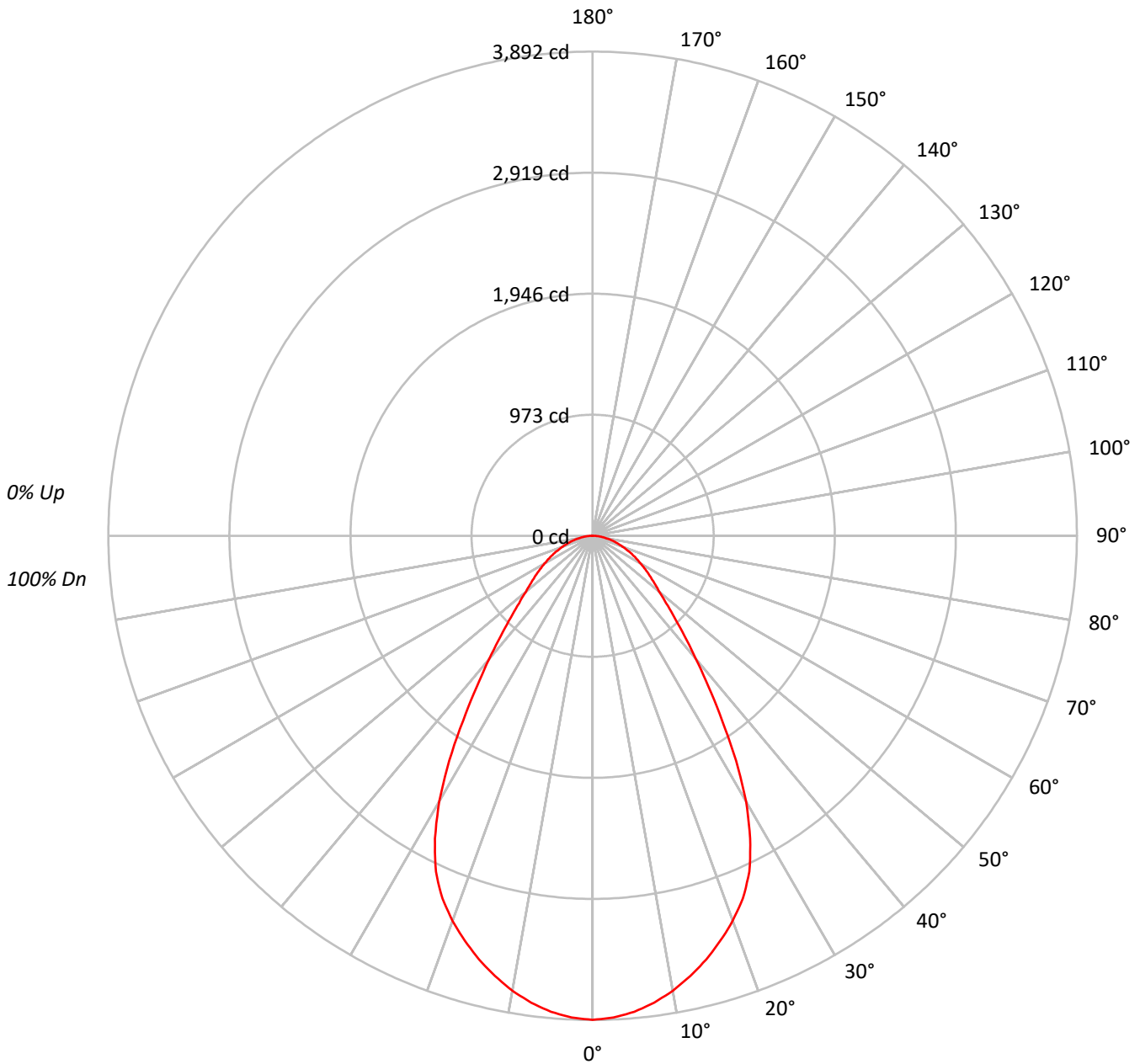
Input Watts (W): 43
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	253884
5°	251553
10°	246008
15°	238207
20°	228584
25°	214580
30°	185689
35°	144570
40°	109881
45°	85658
50°	71047
55°	63765
60°	58051
65°	53567
70°	49214
75°	45600
80°	41252
85°	37727



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	362.6	6.4
10°-20°	990.9	17.5
20°-30°	1349.5	23.8
30°-40°	1142.0	20.1
40°-50°	732.6	12.9
50°-60°	504.1	8.9
60°-70°	344.4	6.1
70°-80°	191.6	3.4
80°-90°	56.1	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°	2703.0	47.6
0°-40°	3844.9	67.8
0°-60°	5081.6	89.6
0°-90°	5673.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5673.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3892	
5°	3841	363
15°	3527	991
25°	2981	1350
35°	1815	1142
45°	928	733
55°	561	504
65°	347	344
75°	181	192
85°	50	56
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3891.5
2.5°	3876.6
5°	3841.1
7.5°	3784.8
10°	3713.5
12.5°	3624.6
15°	3526.8
17.5°	3414.0
20°	3292.4
22.5°	3155.9
25°	2980.9
27.5°	2743.6
30°	2464.9
32.5°	2144.5
35°	1815.2
37.5°	1527.5
40°	1290.2
42.5°	1091.5
45°	928.4
47.5°	800.9
50°	700.0
52.5°	622.9
55°	560.6
57.5°	501.2
60°	444.9
62.5°	394.5
65°	347.0
67.5°	299.6
70°	258.0
72.5°	216.5
75°	180.9
77.5°	145.4
80°	109.8
82.5°	80.1
85°	50.4
87.5°	20.8
90°	0.0



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— 0°-180°







(END OF REPORT)