

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: P252818

Luminaire Tested: **LE_6B50D010R EC6B30508030 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252818
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_6B50D010R 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: 8500.0 lumens
Efficiency: N/A
Efficacy: 144.6 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

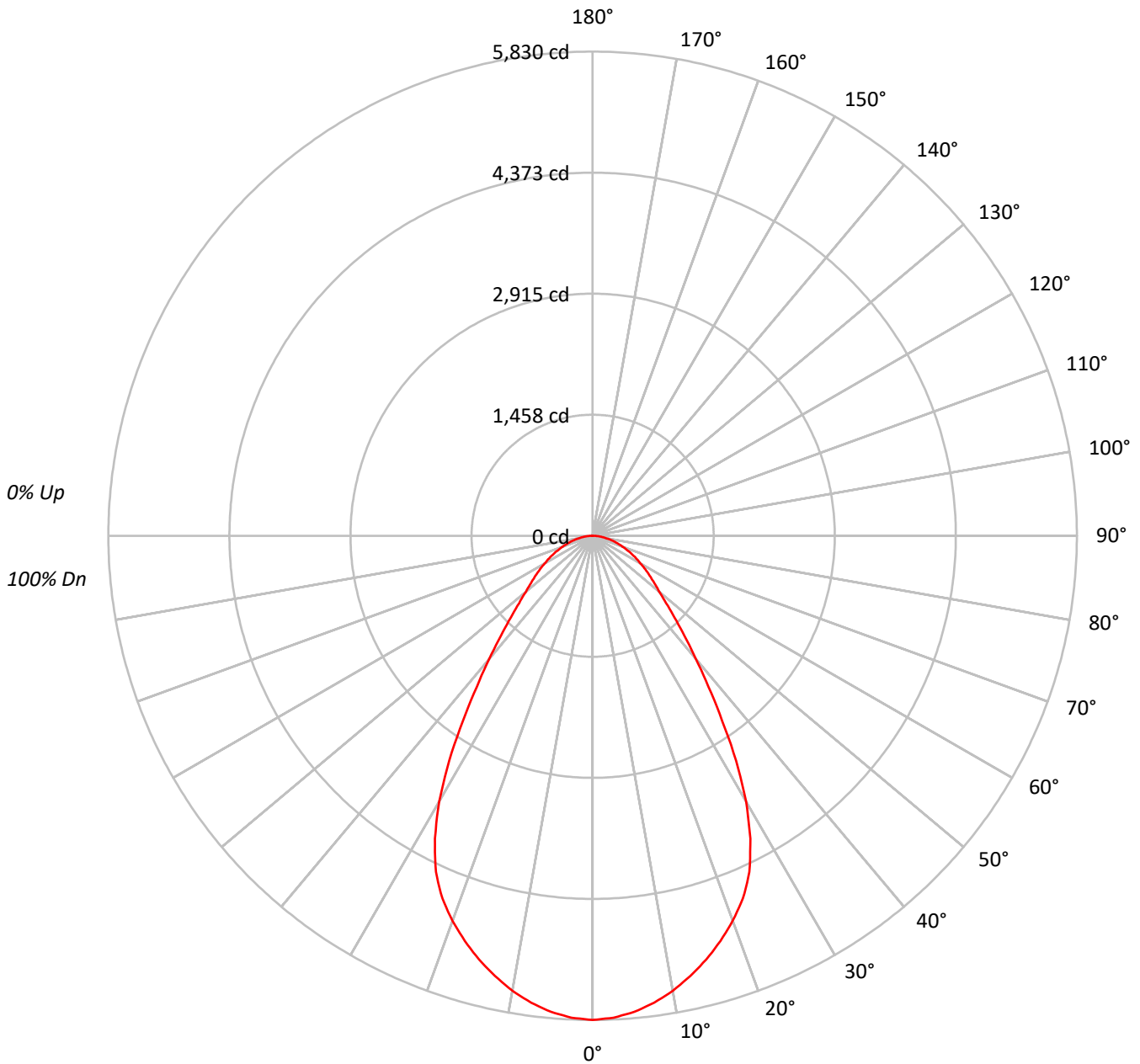
Input Watts (W): 58.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	380353
5°	376861
10°	368559
15°	356852
20°	342445
25°	321471
30°	278176
35°	216592
40°	164625
45°	128330
50°	106429
55°	95533
60°	86966
65°	80258
70°	73744
75°	68311
80°	61766
85°	56516



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	543.2	6.4
10°-20°	1484.5	17.5
20°-30°	2021.8	23.8
30°-40°	1710.8	20.1
40°-50°	1097.5	12.9
50°-60°	755.2	8.9
60°-70°	515.9	6.1
70°-80°	287.1	3.4
80°-90°	84.0	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°	4049.4	47.6
0°-40°	5760.3	67.8
0°-60°	7613.0	89.6
0°-90°	8500.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8500.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5830	
5°	5754	543
15°	5283	1484
25°	4466	2022
35°	2720	1711
45°	1391	1098
55°	840	755
65°	520	516
75°	271	287
85°	76	84
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5830.0
2.5°	5807.8
5°	5754.5
7.5°	5670.0
10°	5563.4
12.5°	5430.1
15°	5283.4
17.5°	5114.6
20°	4932.4
22.5°	4728.0
25°	4465.8
27.5°	4110.4
30°	3692.6
32.5°	3212.8
35°	2719.5
37.5°	2288.5
40°	1933.0
42.5°	1635.2
45°	1390.9
47.5°	1199.8
50°	1048.6
52.5°	933.1
55°	839.9
57.5°	751.0
60°	666.5
62.5°	591.0
65°	519.9
67.5°	448.8
70°	386.6
72.5°	324.4
75°	271.0
77.5°	217.8
80°	164.4
82.5°	120.0
85°	75.5
87.5°	31.1
90°	0.0



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— 0°-180°







(END OF REPORT)