

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: P252820

Luminaire Tested: **LE_6B50D010R EC6B30508040 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252820
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 EC6B30508040 6LBBA1MW
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8805.0 lumens
Efficiency: N/A
Efficacy: 149.7 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

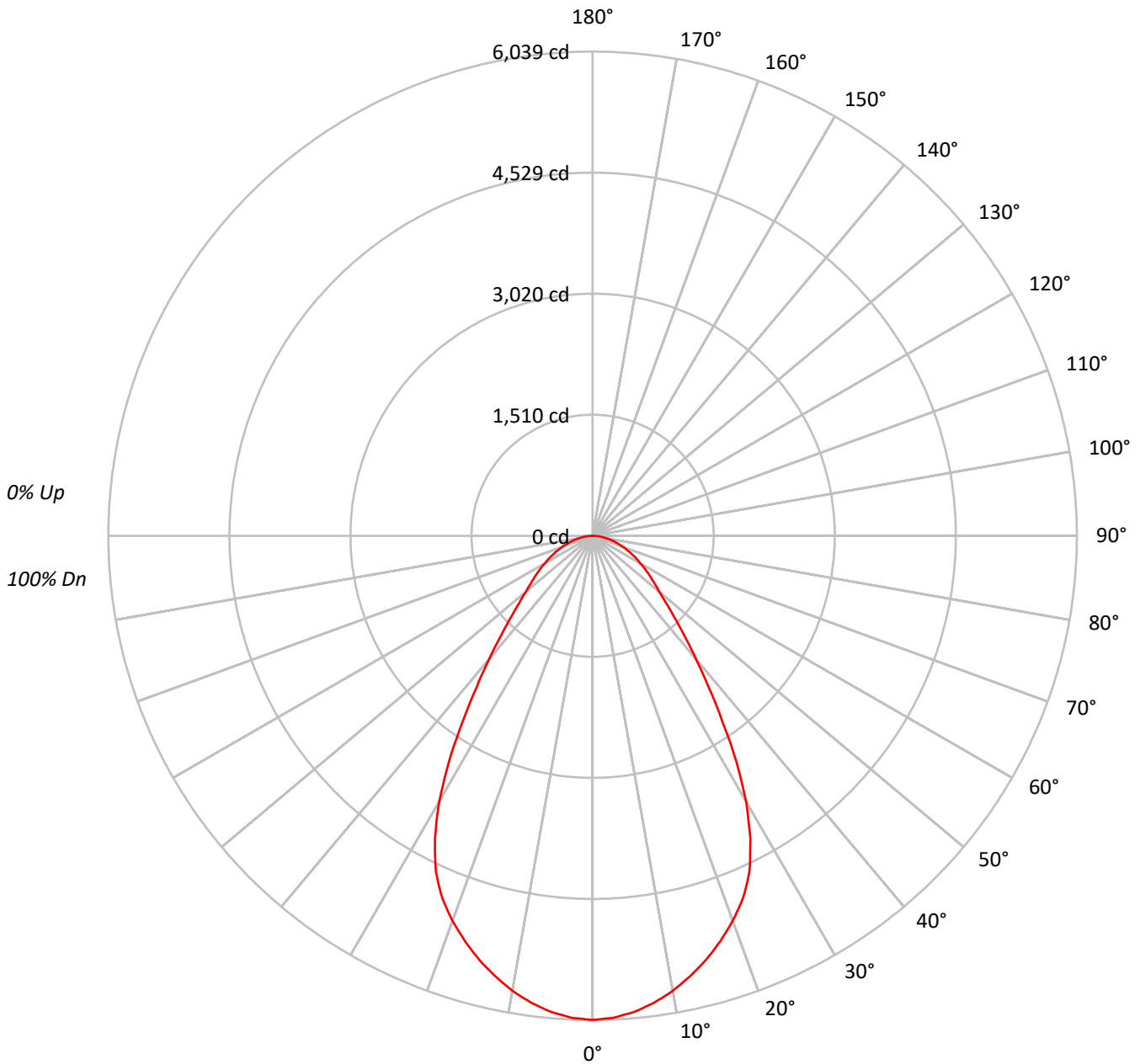
Input Watts (W): 58.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	393995
5°	390378
10°	381782
15°	369658
20°	354734
25°	333003
30°	288158
35°	224357
40°	170536
45°	132934
50°	110266
55°	98957
60°	90097
65°	83130
70°	76396
75°	70781
80°	63945
85°	58537



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	562.6	6.4
10°-20°	1537.7	17.5
20°-30°	2094.3	23.8
30°-40°	1772.2	20.1
40°-50°	1136.9	12.9
50°-60°	782.3	8.9
60°-70°	534.4	6.1
70°-80°	297.4	3.4
80°-90°	87.0	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°	4194.7	47.6
0°-40°	5966.9	67.8
0°-60°	7886.2	89.6
0°-90°	8805.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8805.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6039	
5°	5961	563
15°	5473	1538
25°	4626	2094
35°	2817	1772
45°	1441	1137
55°	870	782
65°	538	534
75°	281	297
85°	78	87
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6039.1
2.5°	6016.1
5°	5960.9
7.5°	5873.5
10°	5763.0
12.5°	5624.9
15°	5473.0
17.5°	5298.1
20°	5109.4
22.5°	4897.6
25°	4626.0
27.5°	4257.8
30°	3825.1
32.5°	3328.0
35°	2817.0
37.5°	2370.6
40°	2002.4
42.5°	1693.9
45°	1440.8
47.5°	1242.9
50°	1086.4
52.5°	966.6
55°	870.0
57.5°	777.9
60°	690.5
62.5°	612.2
65°	538.5
67.5°	464.9
70°	400.5
72.5°	336.0
75°	280.8
77.5°	225.5
80°	170.2
82.5°	124.2
85°	78.2
87.5°	32.2
90°	0.0



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— 0°-180°







(END OF REPORT)