

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: P252778

Luminaire Tested: **LE_6B20D010 EC6B10208027 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252778
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_6B20D010 EC6B10208027 6LBBA1MW
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3101.3 lumens
Efficiency: N/A
Efficacy: 149.1 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

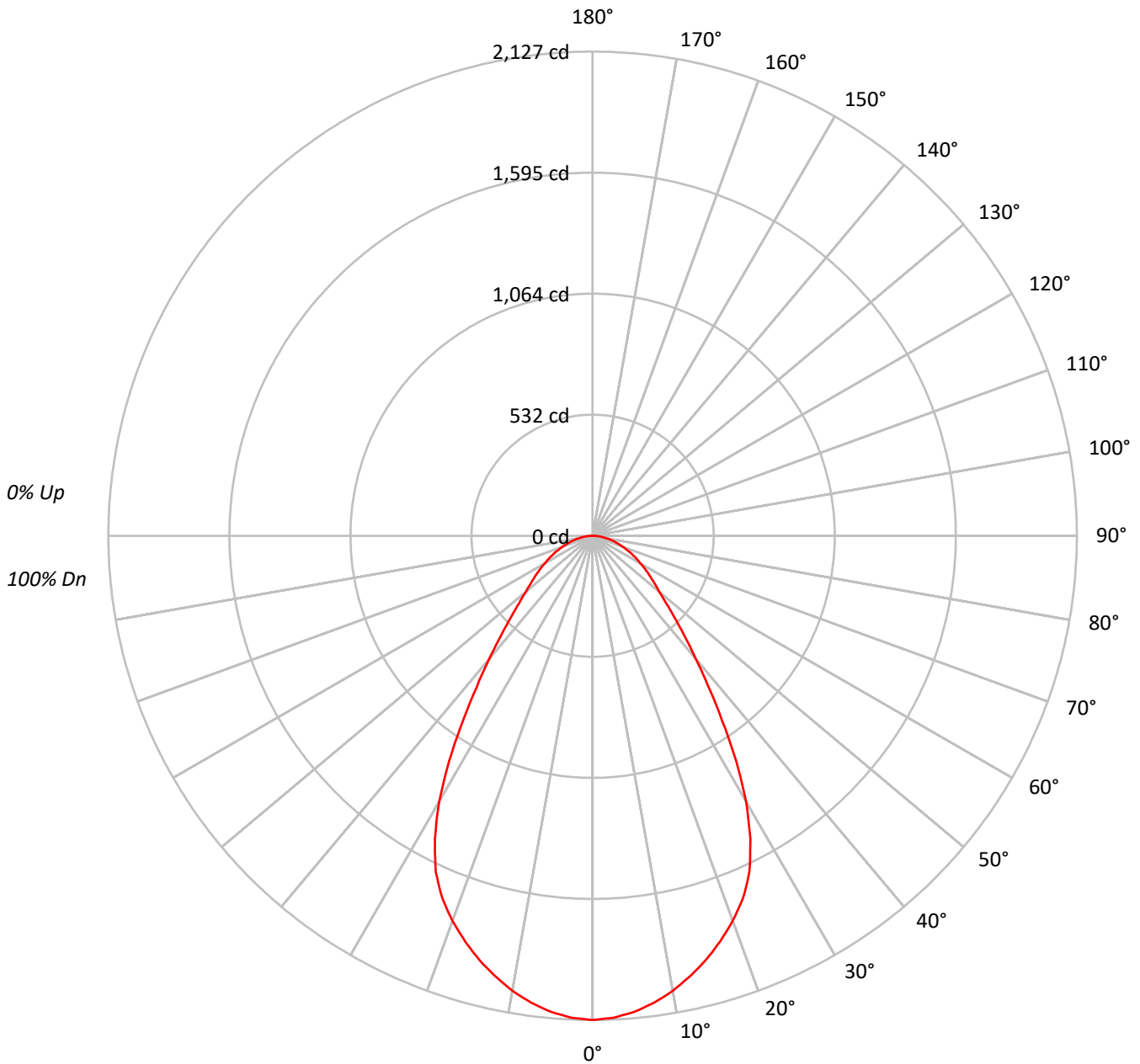
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				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°	138773
5°	137496
10°	134475
15°	130194
20°	124942
25°	117292
30°	101489
35°	79023
40°	60059
45°	46824
50°	38833
55°	34851
60°	31733
65°	29269
70°	26896
75°	24930
80°	22542
85°	20585



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	198.2	6.4
10°-20°	541.6	17.5
20°-30°	737.6	23.8
30°-40°	624.2	20.1
40°-50°	400.4	12.9
50°-60°	275.6	8.9
60°-70°	188.2	6.1
70°-80°	104.8	3.4
80°-90°	30.7	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°	1477.4	47.6
0°-40°	2101.6	67.8
0°-60°	2777.6	89.6
0°-90°	3101.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3101.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2127	
5°	2100	198
15°	1928	542
25°	1629	738
35°	992	624
45°	508	400
55°	306	276
65°	190	188
75°	99	105
85°	28	31
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2127.1
2.5°	2119.0
5°	2099.5
7.5°	2068.8
10°	2029.9
12.5°	1981.1
15°	1927.6
17.5°	1866.1
20°	1799.6
22.5°	1725.0
25°	1629.4
27.5°	1499.6
30°	1347.2
32.5°	1172.1
35°	992.2
37.5°	835.0
40°	705.2
42.5°	596.6
45°	507.5
47.5°	437.8
50°	382.6
52.5°	340.5
55°	306.4
57.5°	274.0
60°	243.2
62.5°	215.6
65°	189.6
67.5°	163.8
70°	141.0
72.5°	118.4
75°	98.9
77.5°	79.5
80°	60.0
82.5°	43.8
85°	27.5
87.5°	11.4
90°	0.0



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— 0°-180°







(END OF REPORT)