

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: P252800

Luminaire Tested: **LE\_6B30D010 EC6B30509040 6LBBA1MW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P252800  
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\_6B30D010 EC6B30509040 6LBBA1MW  
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4077.4 lumens  
Efficiency: N/A  
Efficacy: 145.6 lumens/watt  
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

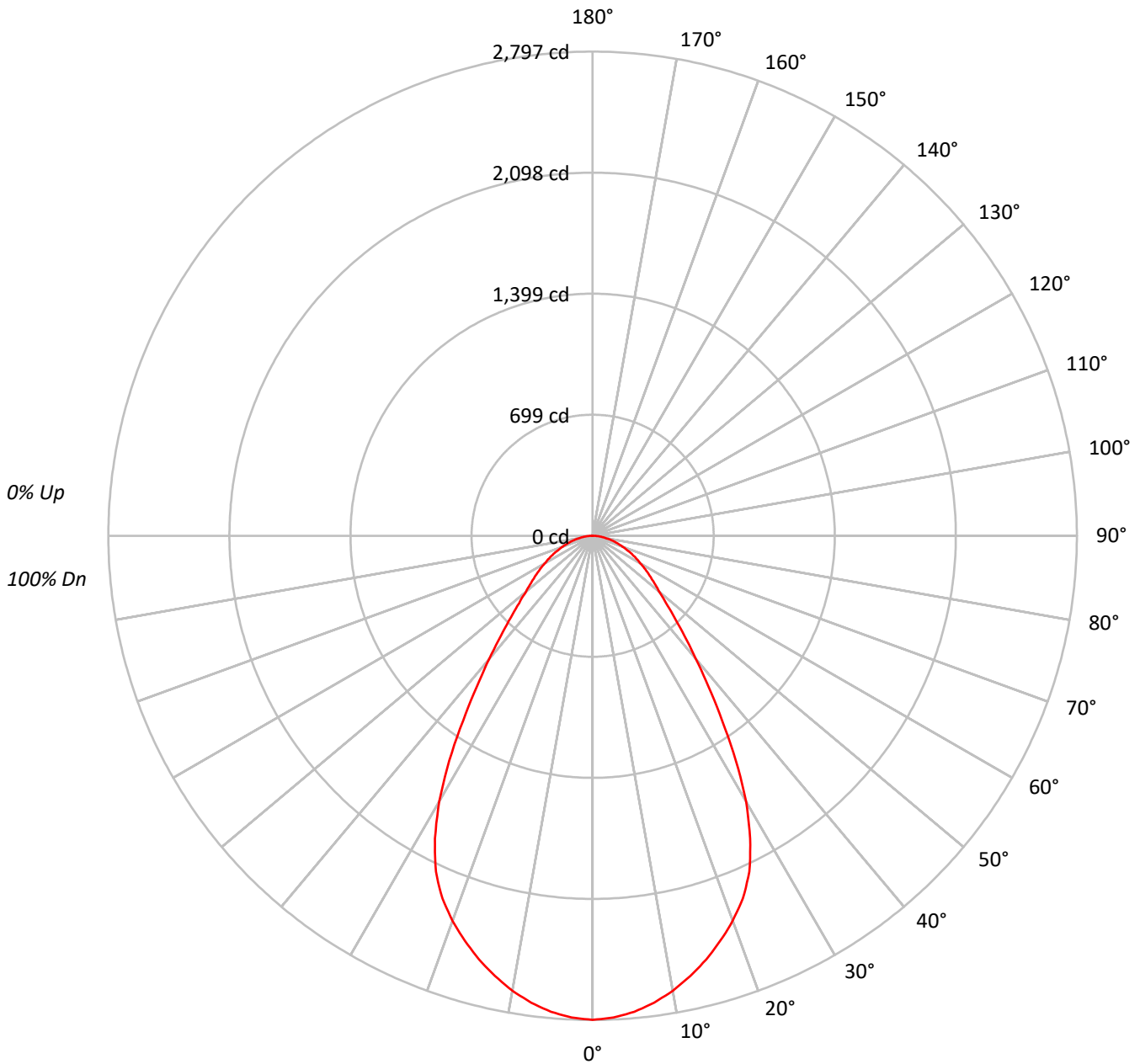
Input Watts (W): 28  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	182452
5°	180785
10°	176800
15°	171185
20°	164273
25°	154206
30°	133446
35°	103896
40°	78966
45°	61559
50°	51053
55°	45827
60°	41728
65°	38500
70°	35384
75°	32769
80°	29643
85°	27098



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	260.6	6.4
10°-20°	712.1	17.5
20°-30°	969.9	23.8
30°-40°	820.7	20.1
40°-50°	526.5	12.9
50°-60°	362.3	8.9
60°-70°	247.5	6.1
70°-80°	137.7	3.4
80°-90°	40.3	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°	1942.5	47.6
0°-40°	2763.2	67.8
0°-60°	3651.9	89.6
0°-90°	4077.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4077.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2797	
5°	2760	261
15°	2534	712
25°	2142	970
35°	1304	821
45°	667	526
55°	403	362
65°	249	247
75°	130	138
85°	36	40
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2796.6
2.5°	2786.0
5°	2760.5
7.5°	2720.0
10°	2668.8
12.5°	2604.9
15°	2534.5
17.5°	2453.5
20°	2366.1
22.5°	2268.0
25°	2142.2
27.5°	1971.8
30°	1771.4
32.5°	1541.1
35°	1304.5
37.5°	1097.8
40°	927.2
42.5°	784.4
45°	667.2
47.5°	575.5
50°	503.0
52.5°	447.6
55°	402.9
57.5°	360.2
60°	319.8
62.5°	283.5
65°	249.4
67.5°	215.2
70°	185.5
72.5°	155.6
75°	130.0
77.5°	104.5
80°	78.9
82.5°	57.5
85°	36.2
87.5°	14.9
90°	0.0



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— 0°-180°







(END OF REPORT)