

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: P252784

Luminaire Tested: **LE\_6B20D010 EC6B10209027 6LBBA1MW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P252784  
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 EC6B10209027 6LBBA1MW  
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2661.2 lumens  
Efficiency: N/A  
Efficacy: 127.9 lumens/watt  
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

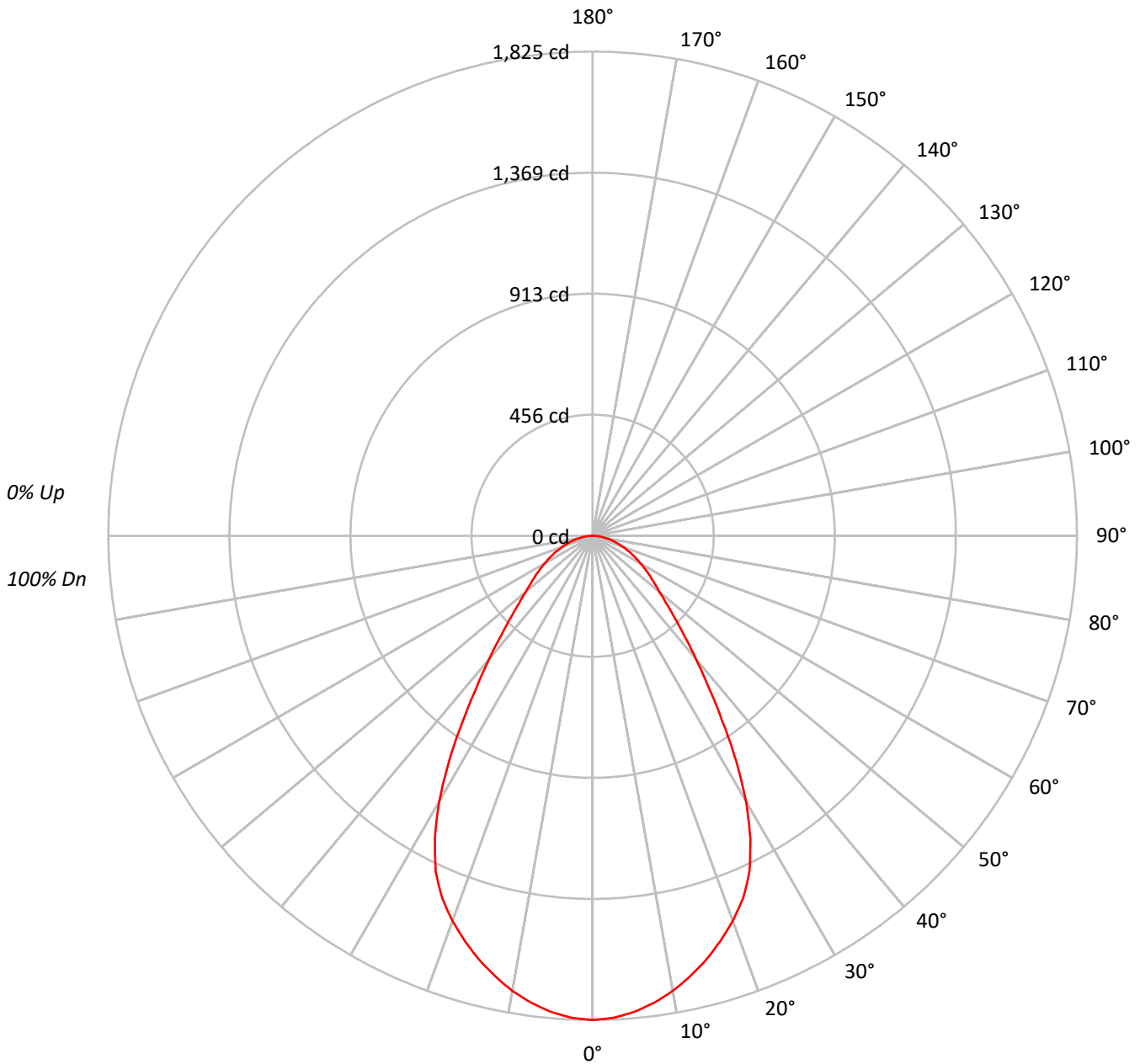
Input Watts (W): 20.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				
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°	119077
5°	117986
10°	115396
15°	111721
20°	107210
25°	100650
30°	87093
35°	67809
40°	51534
45°	40181
50°	33331
55°	29915
60°	27218
65°	25132
70°	23081
75°	21401
80°	19349
85°	17666



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	170.1	6.4
10°-20°	464.8	17.5
20°-30°	633.0	23.8
30°-40°	535.6	20.1
40°-50°	343.6	12.9
50°-60°	236.4	8.9
60°-70°	161.5	6.1
70°-80°	89.9	3.4
80°-90°	26.3	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°	1267.8	47.6
0°-40°	1803.4	67.8
0°-60°	2383.5	89.6
0°-90°	2661.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2661.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1825	
5°	1802	170
15°	1654	465
25°	1398	633
35°	851	536
45°	436	344
55°	263	236
65°	163	162
75°	85	90
85°	24	26
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1825.2
2.5°	1818.4
5°	1801.6
7.5°	1775.2
10°	1741.9
12.5°	1700.1
15°	1654.1
17.5°	1601.2
20°	1544.2
22.5°	1480.2
25°	1398.2
27.5°	1286.9
30°	1156.1
32.5°	1005.9
35°	851.4
37.5°	716.5
40°	605.1
42.5°	512.0
45°	435.5
47.5°	375.6
50°	328.4
52.5°	292.1
55°	263.0
57.5°	235.1
60°	208.6
62.5°	185.0
65°	162.8
67.5°	140.5
70°	121.0
72.5°	101.5
75°	84.9
77.5°	68.1
80°	51.5
82.5°	37.6
85°	23.6
87.5°	9.8
90°	0.0



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— 0°-180°







(END OF REPORT)