

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: PORTFOLIO

Report Number: H22475

Luminaire Tested: **C6042-6000LI**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: H22475  
Test Lab:  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: C6042-6000LI  
Description: PORTFOLIO 6" RECESSED FLUORESCENT DOWN LIGHT  
WITH LOW IRIDESCENT REFLECTOR  
Light Source: CF26DT/E/IN/827 26 WATTS 1800 LUMENS  
TTT  
Ballast/Driver: -

**Summary**

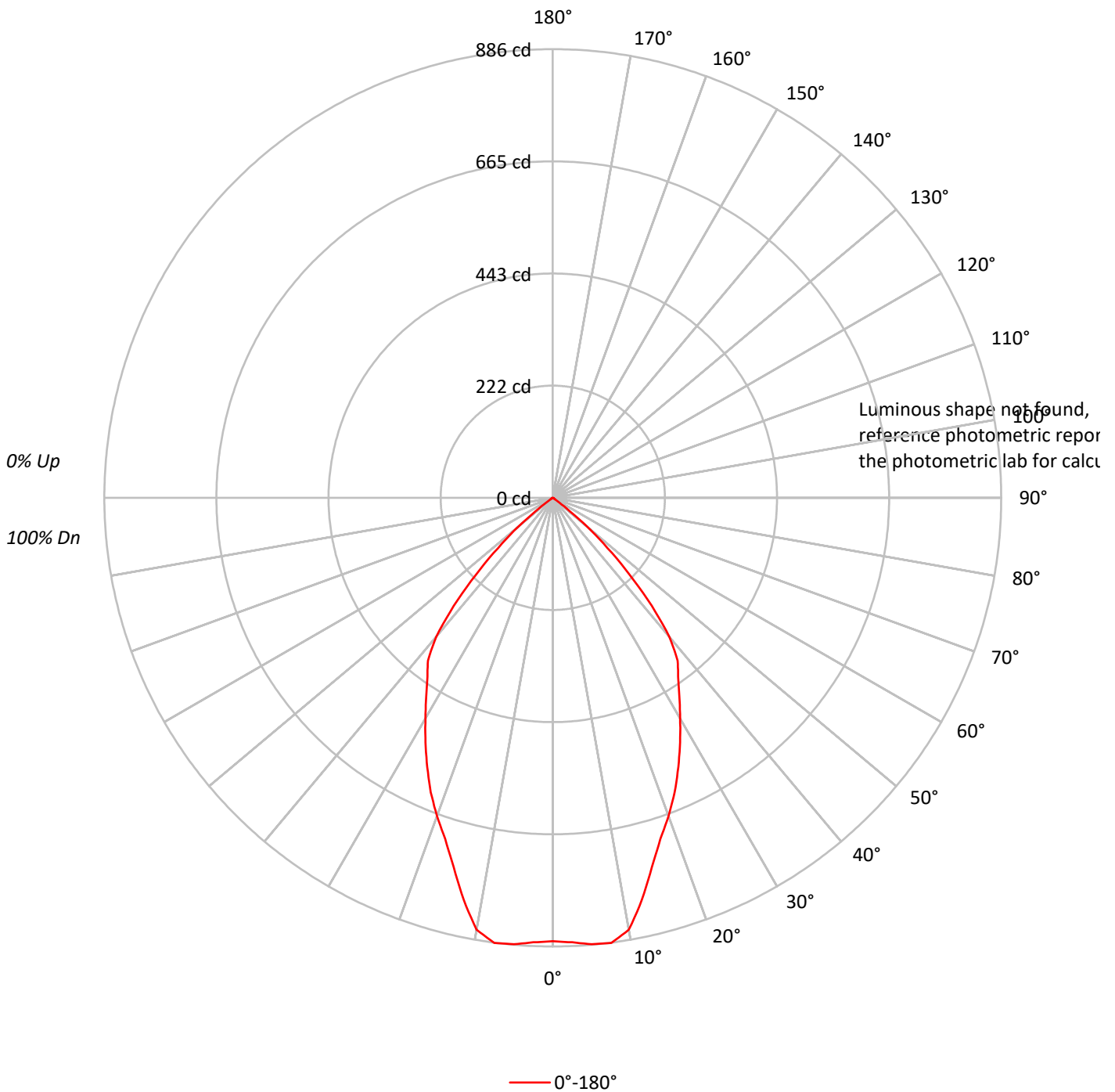
Lumens per Lamp: 1800 (1 lamp)  
Luminaire Lumens: 1024.9 lumens  
Efficiency: 56.9%  
Efficacy: 38.0 lumens/watt  
Spacing Criteria (0/90/45): 0.93 / 0.93 / 1.04  
Luminous Opening: (L: 0 ' x W: -0.48 ' x H: 0 '  
CIE Type: Direct

Input Watts (W): 27  
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



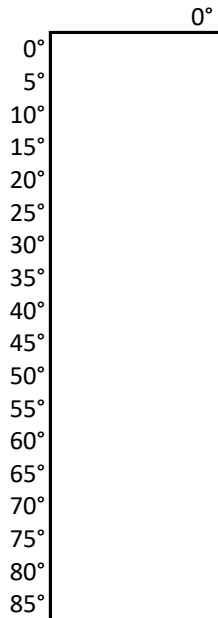


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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

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	0
RCR																				
0	68	68	68	68	66	66	66	66	63	63	63		61	61	61		58	58	58	57
1	64	63	61	60	63	61	60	59	59	58	57		57	56	55		55	54	54	53
2	61	58	55	53	59	57	54	52	55	53	51		53	52	50		52	50	49	48
3	57	53	50	48	56	52	49	47	51	48	46		49	47	46		48	46	45	44
4	54	49	46	43	53	48	45	43	47	44	42		46	44	42		45	43	41	40
5	51	45	42	39	50	45	41	39	44	41	38		43	40	38		42	40	38	37
6	48	42	38	36	47	42	38	36	41	38	35		40	37	35		39	37	35	34
7	45	39	35	33	44	39	35	33	38	35	32		37	34	32		37	34	32	31
8	42	37	33	30	42	36	33	30	36	32	30		35	32	30		34	32	30	29
9	40	34	30	28	39	34	30	28	33	30	28		33	30	28		32	30	28	27
10	38	32	28	26	37	32	28	26	31	28	26		31	28	26		30	28	26	25

**AVERAGE LUMINANCE (cd/sqm):**





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**ZONAL LUMENS:**

**CANDELA DISTRIBUTION:**

Zone	Lumens	% Fixture	% Lamp	0°	Flux	
0°-10°	84.0	8.2	4.7	0°	876	
10°-20°	212.6	20.7	11.8	5°	885	84
20°-30°	269.2	26.3	15.0	15°	755	213
30°-40°	270.4	26.4	15.0	25°	587	269
40°-50°	166.5	16.3	9.3	35°	431	270
50°-60°	19.3	1.9	1.1	45°	215	167
60°-70°	1.7	0.2	0.1	55°	6	19
70°-80°	0.8	0.1	0.0	65°	2	2
80°-90°	0.3	0.0	0.0	75°	1	1
90°-100°	0.0	0.0	0.0	85°	0	0
100°-110°	0.0	0.0	0.0	90°	0	0
110°-120°	0.0	0.0	0.0	95°	0	0
120°-130°	0.0	0.0	0.0	105°	0	0
130°-140°	0.0	0.0	0.0	115°	0	0
140°-150°	0.0	0.0	0.0	125°	0	0
150°-160°	0.0	0.0	0.0	135°	0	0
160°-170°	0.0	0.0	0.0	145°	0	0
170°-180°	0.0	0.0	0.0	155°	0	0
0°-30°	565.9	55.2	31.4	165°	0	0
0°-40°	836.3	81.6	46.5	175°	0	0
0°-60°	1022.1	99.7	56.8	180°	0	0
0°-90°	1024.9	100.0	56.9			
90°-120°	0.0	0.0	0.0			
90°-150°	0.0	0.0	0.0			
90°-180°	0.0	0.0	0.0			
0°-180°	1024.9	100.0	56.9			



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	875.8
2.5°	878.4
5°	884.9
7.5°	886.5
10°	866.0
12.5°	813.4
15°	755.2
17.5°	706.3
20°	668.5
22.5°	629.5
25°	586.6
27.5°	544.5
30°	502.8
32.5°	465.0
35°	431.4
37.5°	405.2
40°	358.2
42.5°	289.3
45°	215.3
47.5°	146.9
50°	89.3
52.5°	32.6
55°	6.5
57.5°	3.8
60°	2.7
62.5°	2.1
65°	1.6
67.5°	1.2
70°	1.0
72.5°	0.8
75°	0.7
77.5°	0.6
80°	0.5
82.5°	0.4
85°	0.3
87.5°	0.3
90°	0.0
92.5°	0.0
95°	0.0
97.5°	0.0
100°	0.0
102.5°	0.0
105°	0.0
107.5°	0.0
110°	0.0



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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	0.0
115°	0.0
117.5°	0.0
120°	0.0
122.5°	0.0
125°	0.0
127.5°	0.0
130°	0.0
132.5°	0.0
135°	0.0
137.5°	0.0
140°	0.0
142.5°	0.0
145°	0.0
147.5°	0.0
150°	0.0
152.5°	0.0
155°	0.0
157.5°	0.0
160°	0.0
162.5°	0.0
165°	0.0
167.5°	0.0
170°	0.0
172.5°	0.0
175°	0.0
177.5°	0.0
180°	0.0

(END OF REPORT)