

Scaled data based on original data using  
LM-66-11 Electrical and Photometric Measurements of Single-Ended Compact  
Fluorescent Lamps

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: SHAPER

Report Number: 19144A

Luminaire Tested: **697-WP-CF1/26**

Issue Date: 3/3/2020

**Test Information**

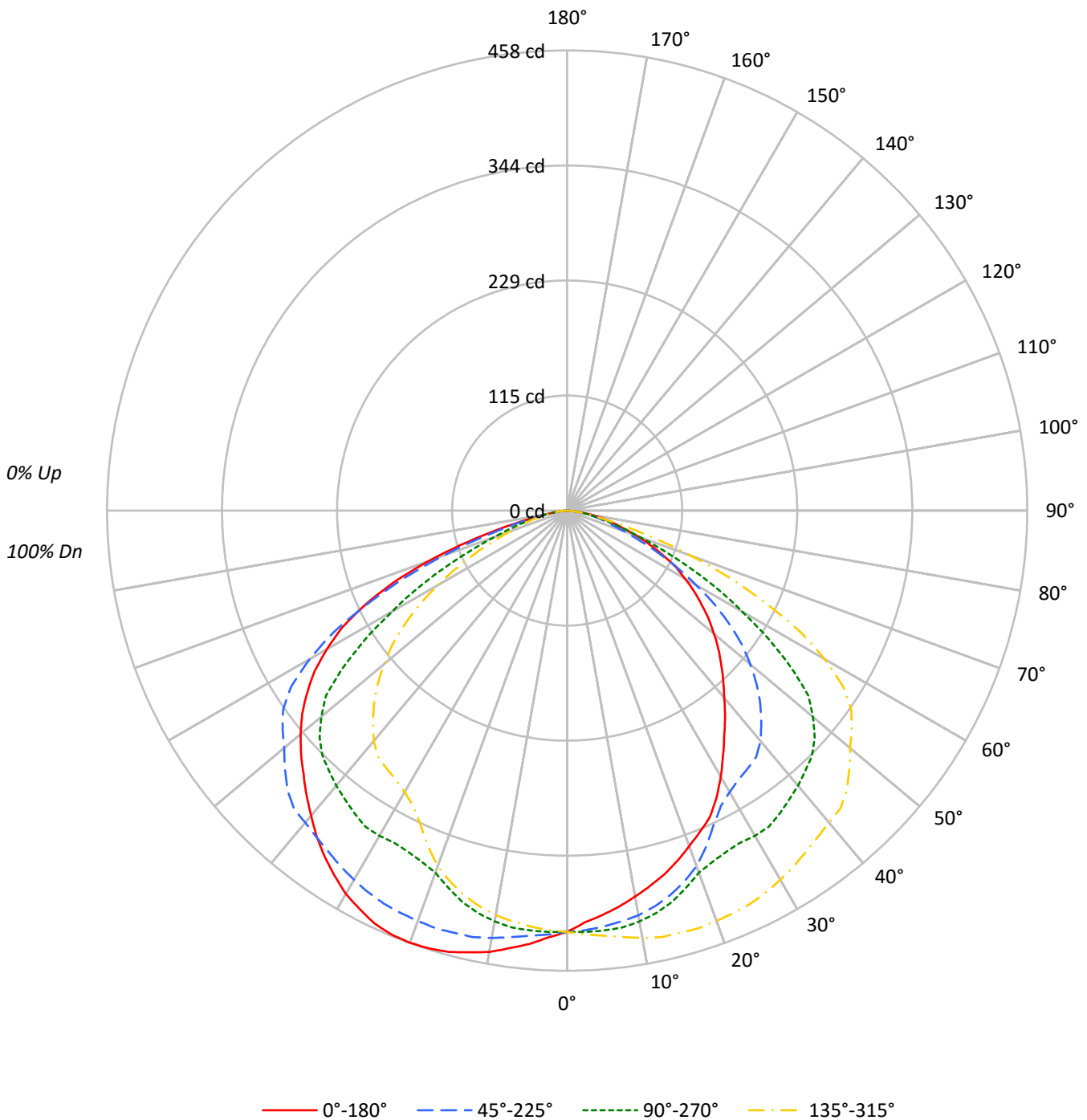
Test Method: LM-66-11  
Report Number: 19144A  
Test Lab:  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: SHAPER  
Catalog Number: 697-WP-CF1/26  
Description: EXTERIOR WALL MOUNT LUMINAIRE WITH PEBBLE TONE SPECULAR REFLECTOR  
AND CLEAR FLAT GLASS LENS  
Light Source: ONE 26 WATT CPFL LAMP. LUMEN RATING = 1800 LMS.  
  
Ballast/Driver: -

**Summary**

Lumens per Lamp: 1800 (1 lamp)  
Luminaire Lumens: 1261.2 lumens  
Efficiency: 70.1%  
Efficacy: -  
Spacing Criteria (0/90/45): 1.3 / 1.36 / 1.49  
Luminous Opening: Rectangular (W 0.67' x L: 0.58' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 0  
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	83	83	83	83	81	81	81	81	78	78	78	75	75	75	71	71	71	70
1	77	74	71	68	75	72	70	67	69	67	65	66	65	63	64	63	61	60
2	70	64	60	56	68	63	59	55	61	57	54	58	55	53	56	54	52	50
3	64	57	51	47	62	55	50	46	53	49	45	51	48	45	50	47	44	42
4	58	50	44	39	57	49	43	39	47	42	39	46	41	38	44	41	37	36
5	54	45	38	34	52	44	38	34	42	37	33	41	36	33	40	36	32	31
6	49	40	34	29	48	39	33	29	38	33	29	37	32	29	36	32	28	27
7	46	36	30	26	44	36	30	26	35	29	25	34	29	25	33	28	25	24
8	42	33	27	23	41	32	27	23	31	26	23	31	26	22	30	26	22	21
9	40	30	24	20	39	30	24	20	29	24	20	28	24	20	27	23	20	19
10	37	28	22	18	36	27	22	18	27	22	18	26	21	18	25	21	18	17

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

	0°	90°	180°	270°
0°	11614	11614	11614	11614
5°	11233	11664	12040	11664
10°	10972	11675	12547	11675
15°	10742	11559	13042	11559
20°	10473	11301	13489	11301
25°	10281	11449	13857	11449
30°	9781	11956	14089	11956
35°	9218	12457	14222	12457
40°	8794	12923	14330	12923
45°	8493	13499	14533	13499
50°	8222	13759	14919	13759
55°	7896	13131	15255	13131
60°	7501	11152	15307	11152
65°	6908	8815	14537	8815
70°	6001	6220	11816	6220
75°	4966	4474	7117	4474
80°	3876	3158	3158	3158
85°	1875	2415	2002	2415



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture	% Lamp
0°-10°	40.0	3.2	2.2
10°-20°	116.4	9.2	6.5
20°-30°	179.3	14.2	10.0
30°-40°	227.2	18.0	12.6
40°-50°	250.6	19.9	13.9
50°-60°	234.0	18.6	13.0
60°-70°	151.9	12.0	8.4
70°-80°	53.7	4.3	3.0
80°-90°	8.2	0.6	0.5
90°-100°	0.0	0.0	0.0
100°-110°	0.0	0.0	0.0
110°-120°	0.0	0.0	0.0
120°-130°	0.0	0.0	0.0
130°-140°	0.0	0.0	0.0
140°-150°	0.0	0.0	0.0
150°-160°	0.0	0.0	0.0
160°-170°	0.0	0.0	0.0
170°-180°	0.0	0.0	0.0
0°-30°	335.7	26.6	18.7
0°-40°	562.9	44.6	31.3
0°-60°	1047.5	83.1	58.2
0°-90°	1261.2	100.0	70.1
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°	1261.2	100.0	70.1

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	419	419	419	419	419	
5°	404	420	433	420	404	38
15°	375	403	455	403	375	105
25°	336	375	453	375	336	154
35°	273	368	421	368	273	171
45°	217	345	371	345	217	168
55°	164	272	316	272	164	146
65°	105	134	222	134	105	104
75°	46	42	66	42	46	50
85°	6	8	6	8	6	9
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	419.3	419.3	419.3	419.3	419.3	419.3	419.3	419.3	419.3	419.3	419.3
2.5°	410.1	413.7	418.0	421.7	419.7	419.7	422.3	423.7	425.1	423.7	422.3
5°	404.0	408.7	415.5	421.2	419.5	418.7	424.8	429.9	433.0	429.9	424.8
7.5°	397.4	403.6	412.5	420.8	418.6	418.9	428.2	435.2	439.3	435.2	428.2
10°	390.1	398.2	408.9	416.0	415.1	419.1	431.9	440.1	446.1	440.1	431.9
12.5°	382.4	392.1	403.4	410.1	410.3	418.4	434.7	443.5	450.3	443.5	434.7
15°	374.6	386.9	396.2	401.6	403.1	417.2	435.0	446.8	454.8	446.8	435.0
17.5°	365.4	380.1	387.2	388.0	393.5	415.1	435.8	449.4	457.0	449.4	435.8
20°	355.3	370.7	376.5	371.9	383.4	412.3	434.5	451.4	457.6	451.4	434.5
22.5°	345.8	360.1	361.7	359.9	378.3	409.5	433.4	450.8	456.8	450.8	433.4
25°	336.4	349.3	345.1	354.4	374.6	405.1	431.7	448.5	453.4	448.5	431.7
27.5°	321.9	336.6	331.4	352.9	372.7	401.3	428.5	444.0	447.2	444.0	428.5
30°	305.8	323.0	323.5	355.6	373.8	397.1	424.2	438.6	440.5	438.6	424.2
32.5°	288.8	306.8	317.4	358.0	373.2	395.4	419.8	431.0	430.8	431.0	419.8
35°	272.6	289.9	313.4	355.5	368.4	395.9	414.4	422.8	420.6	422.8	414.4
37.5°	258.1	271.2	309.1	348.9	362.8	390.1	409.6	412.9	409.3	412.9	409.6
40°	243.2	254.5	299.3	339.9	357.4	384.1	405.4	403.0	396.3	403.0	405.4
42.5°	230.1	239.2	286.0	327.2	351.0	380.1	402.5	392.3	384.1	392.3	402.5
45°	216.8	226.4	271.9	311.2	344.6	379.0	393.5	380.4	371.0	380.4	393.5
47.5°	204.3	215.7	255.7	295.3	334.2	377.1	381.0	367.7	359.2	367.7	381.0
50°	190.8	205.3	237.9	275.8	319.3	367.4	367.6	353.2	346.2	353.2	367.6
52.5°	177.7	194.3	219.2	256.0	302.5	352.1	356.9	338.5	332.4	338.5	356.9
55°	163.5	178.9	197.1	230.1	271.9	334.2	345.2	321.5	315.9	321.5	345.2
57.5°	149.9	162.9	174.2	200.7	237.7	302.7	325.4	301.3	298.1	301.3	325.4
60°	135.4	145.4	148.2	168.3	201.3	261.7	296.1	276.8	276.3	276.8	296.1
62.5°	122.1	126.1	124.4	138.1	168.9	224.5	261.9	248.3	252.6	248.3	261.9
65°	105.4	105.7	100.9	107.4	134.5	184.6	218.9	211.9	221.8	211.9	218.9
67.5°	89.4	87.2	78.3	81.9	103.1	145.7	174.7	175.6	186.6	175.6	174.7
70°	74.1	71.0	59.9	61.1	76.8	108.5	130.7	136.9	145.9	136.9	130.7
72.5°	59.2	55.7	46.8	45.5	56.8	74.3	89.4	96.2	103.7	96.2	89.4
75°	46.4	43.5	36.8	35.3	41.8	49.2	56.2	61.1	66.5	61.1	56.2
77.5°	35.9	32.1	26.6	25.9	29.3	32.1	32.9	35.7	36.5	35.7	32.9
80°	24.3	22.3	18.1	17.8	19.8	20.1	19.3	19.5	19.8	19.5	19.3
82.5°	14.3	12.1	10.2	11.9	12.5	11.5	10.8	10.2	11.0	10.2	10.8
85°	5.9	5.6	5.8	7.4	7.6	6.3	6.0	5.6	6.3	5.6	6.0
87.5°	2.0	1.9	2.2	3.4	3.2	2.0	1.9	1.4	2.7	1.4	1.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
0°	419.3	419.3	419.3	419.3	419.3	419.3
2.5°	419.7	419.7	421.7	418.0	413.7	410.1
5°	418.7	419.5	421.2	415.5	408.7	404.0
7.5°	418.9	418.6	420.8	412.5	403.6	397.4
10°	419.1	415.1	416.0	408.9	398.2	390.1
12.5°	418.4	410.3	410.1	403.4	392.1	382.4
15°	417.2	403.1	401.6	396.2	386.9	374.6
17.5°	415.1	393.5	388.0	387.2	380.1	365.4
20°	412.3	383.4	371.9	376.5	370.7	355.3
22.5°	409.5	378.3	359.9	361.7	360.1	345.8
25°	405.1	374.6	354.4	345.1	349.3	336.4
27.5°	401.3	372.7	352.9	331.4	336.6	321.9
30°	397.1	373.8	355.6	323.5	323.0	305.8
32.5°	395.4	373.2	358.0	317.4	306.8	288.8
35°	395.9	368.4	355.5	313.4	289.9	272.6
37.5°	390.1	362.8	348.9	309.1	271.2	258.1
40°	384.1	357.4	339.9	299.3	254.5	243.2
42.5°	380.1	351.0	327.2	286.0	239.2	230.1
45°	379.0	344.6	311.2	271.9	226.4	216.8
47.5°	377.1	334.2	295.3	255.7	215.7	204.3
50°	367.4	319.3	275.8	237.9	205.3	190.8
52.5°	352.1	302.5	256.0	219.2	194.3	177.7
55°	334.2	271.9	230.1	197.1	178.9	163.5
57.5°	302.7	237.7	200.7	174.2	162.9	149.9
60°	261.7	201.3	168.3	148.2	145.4	135.4
62.5°	224.5	168.9	138.1	124.4	126.1	122.1
65°	184.6	134.5	107.4	100.9	105.7	105.4
67.5°	145.7	103.1	81.9	78.3	87.2	89.4
70°	108.5	76.8	61.1	59.9	71.0	74.1
72.5°	74.3	56.8	45.5	46.8	55.7	59.2
75°	49.2	41.8	35.3	36.8	43.5	46.4
77.5°	32.1	29.3	25.9	26.6	32.1	35.9
80°	20.1	19.8	17.8	18.1	22.3	24.3
82.5°	11.5	12.5	11.9	10.2	12.1	14.3
85°	6.3	7.6	7.4	5.8	5.6	5.9
87.5°	2.0	3.2	3.4	2.2	1.9	2.0
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)