

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: 18374A

Luminaire Tested: **695-PT-CF2/26**

Issue Date: 3/3/2020

Test Information

Test Method: LM-66-11
Report Number: 18374A
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: SHAPER
Catalog Number: 695-PT-CF2/26
Description: POST TOP LUMINAIRE WITH WHITE INTERIOR AND FLAT RIBBED GLASS LENS

Light Source: TWO 26 WATT CPFL LAMPS. LUMEN RATING = 3600 LMS.

Ballast/Driver: -

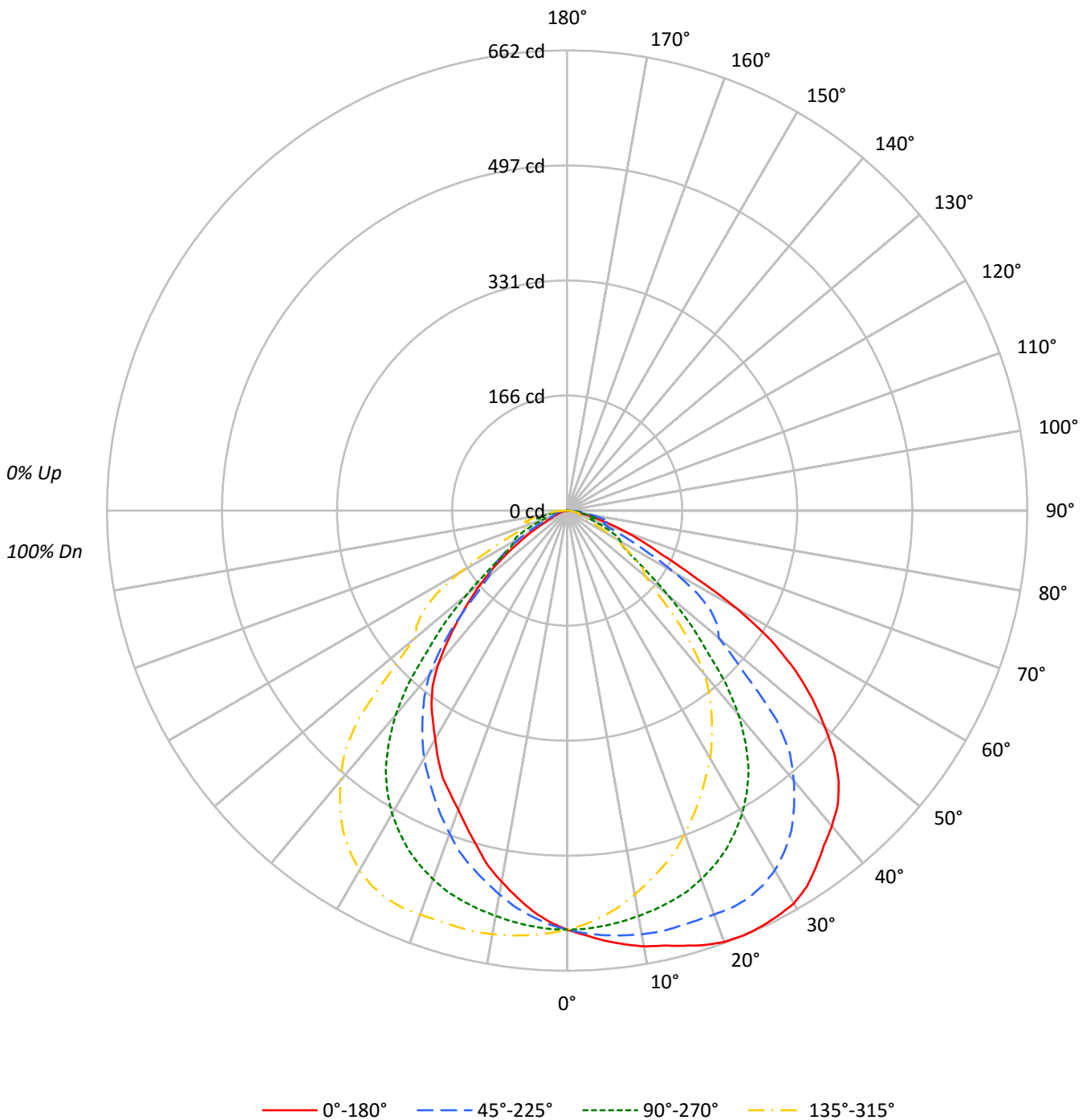
Summary

Lumens per Lamp: 3600 (1 lamp)
Luminaire Lumens: 1283.4 lumens
Efficiency: 35.7%
Efficacy: -
Spacing Criteria (0/90/45): 1.27 / 1.23 / 1.29
Luminous Opening: Rectangular (W 0.58' x L: 1.17' 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	42	42	42	42	41	41	41	41	40	40	40	38	38	38	36	36	36	36
1	39	38	37	36	39	37	36	35	36	35	34	34	34	33	33	33	32	31
2	37	34	32	30	36	33	32	30	32	31	29	31	30	29	30	29	28	27
3	34	30	28	26	33	30	28	26	29	27	25	28	26	25	27	26	25	24
4	31	27	25	23	30	27	24	22	26	24	22	25	23	22	25	23	22	21
5	29	25	22	20	28	24	22	20	24	21	20	23	21	19	22	21	19	19
6	27	23	20	18	26	22	20	18	22	19	17	21	19	17	21	19	17	16
7	25	21	18	16	24	20	18	16	20	17	16	19	17	16	19	17	15	15
8	23	19	16	14	23	19	16	14	18	16	14	18	16	14	17	15	14	13
9	22	17	15	13	21	17	15	13	17	15	13	17	14	13	16	14	13	12
10	21	16	14	12	20	16	13	12	16	13	12	15	13	12	15	13	12	11

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9563	9563	9563	9563
5°	9888	9552	9198	9552
10°	10253	9537	8733	9537
15°	10643	9546	8216	9546
20°	11148	9524	7728	9524
25°	11558	9437	7415	9437
30°	11951	9224	6956	9224
35°	12099	8812	6588	8812
40°	12264	7951	5974	7951
45°	12396	6328	4942	6328
50°	11941	4657	3914	4657
55°	11070	3119	2735	3119
60°	8956	2814	1646	2814
65°	5664	2473	916	2473
70°	4169	1540	645	1540
75°	2586	2758	423	2758
80°	1306	1863	237	1863
85°	582	2148	109	2148



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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	57.0	4.4	1.6
10°-20°	162.8	12.7	4.5
20°-30°	246.9	19.2	6.9
30°-40°	288.6	22.5	8.0
40°-50°	253.4	19.7	7.0
50°-60°	153.3	11.9	4.3
60°-70°	75.4	5.9	2.1
70°-80°	37.1	2.9	1.0
80°-90°	9.2	0.7	0.3
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°	466.6	36.4	13.0
0°-40°	755.2	58.8	21.0
0°-60°	1161.8	90.5	32.3
0°-90°	1283.4	100.0	35.7
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°	1283.4	100.0	35.7

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	603	603	603	603	603	
5°	621	600	578	600	621	60
15°	648	581	500	581	648	184
25°	660	539	424	539	660	305
35°	625	455	340	455	625	391
45°	553	282	220	282	553	423
55°	400	113	99	113	400	352
65°	151	66	24	66	151	163
75°	42	45	7	45	42	48
85°	3	12	1	12	3	5
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°	602.9	602.9	602.9	602.9	602.9	602.9	602.9	602.9	602.9	602.9	602.9
2.5°	611.6	611.9	608.7	605.0	602.3	599.7	595.7	592.7	592.1	592.7	595.7
5°	621.0	619.6	613.3	605.2	599.9	594.9	586.0	579.8	577.7	579.8	586.0
7.5°	629.3	626.2	616.4	604.4	596.6	588.5	574.9	564.2	560.3	564.2	574.9
10°	636.6	632.5	618.8	602.2	592.1	580.5	560.7	547.2	542.2	547.2	560.7
12.5°	641.0	634.7	620.3	599.7	587.4	572.2	546.0	530.4	524.0	530.4	546.0
15°	648.1	638.1	619.3	595.9	581.3	561.5	530.8	509.6	500.3	509.6	530.8
17.5°	655.4	643.2	618.4	591.7	574.4	549.8	514.9	487.4	478.7	487.4	514.9
20°	660.4	648.1	618.2	585.8	564.2	534.2	494.4	465.5	457.8	465.5	494.4
22.5°	661.8	650.3	618.5	576.9	552.7	518.2	474.4	446.5	440.1	446.5	474.4
25°	660.4	649.2	615.5	564.8	539.2	500.3	453.6	429.6	423.7	429.6	453.6
27.5°	657.2	644.6	608.4	547.4	522.4	480.2	432.1	411.5	402.2	411.5	432.1
30°	652.5	637.7	597.7	528.8	503.6	458.5	411.8	390.7	379.8	390.7	411.8
32.5°	641.6	628.0	581.6	507.1	480.9	433.0	387.7	368.5	359.2	368.5	387.7
35°	624.8	612.7	562.5	483.9	455.1	405.7	362.7	348.7	340.2	348.7	362.7
37.5°	607.0	592.7	536.5	455.4	421.5	372.8	337.0	323.8	317.8	323.8	337.0
40°	592.3	572.9	507.4	425.1	384.0	336.3	308.0	295.7	288.5	295.7	308.0
42.5°	576.1	548.4	474.4	393.0	337.6	296.5	268.4	262.8	254.3	262.8	268.4
45°	552.6	519.9	425.7	338.4	282.1	251.6	223.7	226.6	220.3	226.6	223.7
47.5°	522.1	482.7	344.9	290.0	237.9	213.6	175.2	189.6	188.2	189.6	175.2
50°	483.9	428.5	284.4	247.2	188.7	171.8	145.9	149.1	158.6	149.1	145.9
52.5°	444.7	342.6	273.2	195.1	146.2	137.4	137.6	115.6	130.0	115.6	137.6
55°	400.3	266.8	252.9	148.5	112.8	104.2	115.8	87.3	98.9	87.3	115.8
57.5°	348.1	225.1	222.3	113.8	94.6	79.4	97.6	68.5	73.1	68.5	97.6
60°	282.3	187.8	178.7	93.2	88.7	64.8	73.4	52.7	51.9	52.7	73.4
62.5°	205.6	159.9	132.0	85.3	82.0	60.6	55.0	40.2	35.4	40.2	55.0
65°	150.9	136.5	95.8	80.8	65.9	54.7	36.9	30.7	24.4	30.7	36.9
67.5°	119.2	124.1	67.5	72.8	48.0	45.6	25.3	23.2	18.5	23.2	25.3
70°	89.9	109.7	56.6	56.1	33.2	34.5	19.8	18.5	13.9	18.5	19.8
72.5°	64.3	92.7	57.6	36.8	34.8	22.2	18.8	14.2	10.1	14.2	18.8
75°	42.2	73.9	63.4	37.2	45.0	22.6	17.8	10.9	6.9	10.9	17.8
77.5°	25.4	48.5	49.7	46.9	31.5	26.8	16.3	7.5	4.4	7.5	16.3
80°	14.3	33.9	35.5	33.9	20.4	19.2	9.3	4.6	2.6	4.6	9.3
82.5°	7.5	21.6	24.8	21.2	19.2	9.9	5.1	2.4	1.4	2.4	5.1
85°	3.2	9.7	18.1	15.2	11.8	4.4	2.2	0.7	0.6	0.7	2.2
87.5°	0.6	3.0	3.6	3.6	2.4	0.6	0.4	0.2	0.0	0.2	0.4
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°	602.9	602.9	602.9	602.9	602.9	602.9
2.5°	599.7	602.3	605.0	608.7	611.9	611.6
5°	594.9	599.9	605.2	613.3	619.6	621.0
7.5°	588.5	596.6	604.4	616.4	626.2	629.3
10°	580.5	592.1	602.2	618.8	632.5	636.6
12.5°	572.2	587.4	599.7	620.3	634.7	641.0
15°	561.5	581.3	595.9	619.3	638.1	648.1
17.5°	549.8	574.4	591.7	618.4	643.2	655.4
20°	534.2	564.2	585.8	618.2	648.1	660.4
22.5°	518.2	552.7	576.9	618.5	650.3	661.8
25°	500.3	539.2	564.8	615.5	649.2	660.4
27.5°	480.2	522.4	547.4	608.4	644.6	657.2
30°	458.5	503.6	528.8	597.7	637.7	652.5
32.5°	433.0	480.9	507.1	581.6	628.0	641.6
35°	405.7	455.1	483.9	562.5	612.7	624.8
37.5°	372.8	421.5	455.4	536.5	592.7	607.0
40°	336.3	384.0	425.1	507.4	572.9	592.3
42.5°	296.5	337.6	393.0	474.4	548.4	576.1
45°	251.6	282.1	338.4	425.7	519.9	552.6
47.5°	213.6	237.9	290.0	344.9	482.7	522.1
50°	171.8	188.7	247.2	284.4	428.5	483.9
52.5°	137.4	146.2	195.1	273.2	342.6	444.7
55°	104.2	112.8	148.5	252.9	266.8	400.3
57.5°	79.4	94.6	113.8	222.3	225.1	348.1
60°	64.8	88.7	93.2	178.7	187.8	282.3
62.5°	60.6	82.0	85.3	132.0	159.9	205.6
65°	54.7	65.9	80.8	95.8	136.5	150.9
67.5°	45.6	48.0	72.8	67.5	124.1	119.2
70°	34.5	33.2	56.1	56.6	109.7	89.9
72.5°	22.2	34.8	36.8	57.6	92.7	64.3
75°	22.6	45.0	37.2	63.4	73.9	42.2
77.5°	26.8	31.5	46.9	49.7	48.5	25.4
80°	19.2	20.4	33.9	35.5	33.9	14.3
82.5°	9.9	19.2	21.2	24.8	21.6	7.5
85°	4.4	11.8	15.2	18.1	9.7	3.2
87.5°	0.6	2.4	3.6	3.6	3.0	0.6
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)