

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: 20067A

Luminaire Tested: **695-WP-18-CF1/26**

Issue Date: 3/3/2020

Test Information

Test Method: LM-66-11
Report Number: 20067A
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: SHAPER
Catalog Number: 695-WP-18-CF1/26
Description: EXTERIOR WALL MOUNT LUMINAIRE WITH WHITE INTERIOR AND WHITE PLASTIC LENS
Light Source: ONE 26 WATT CPFL LAMP. LUMEN RATING = 1800 LMS.

Ballast/Driver: -

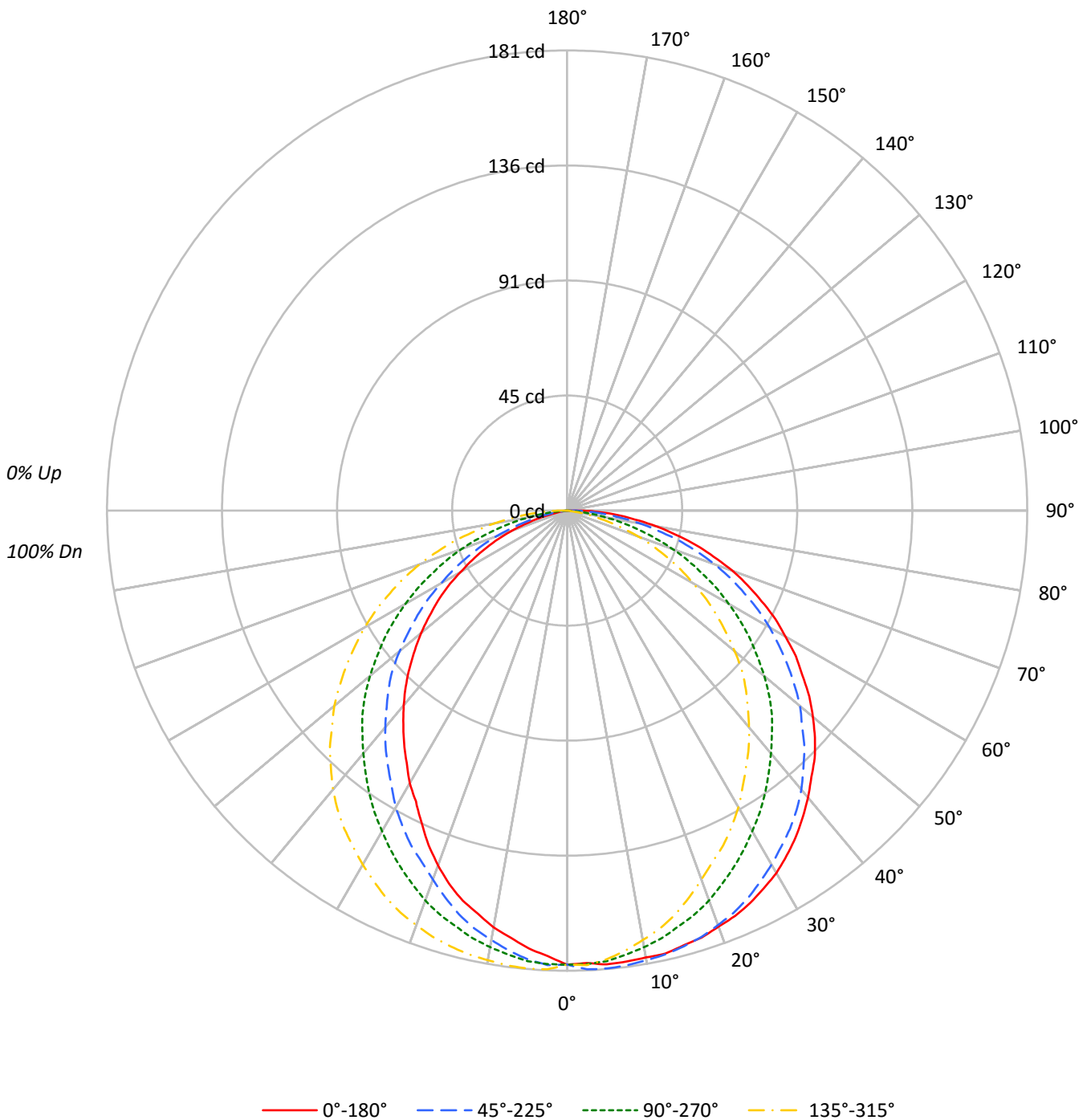
Summary

Lumens per Lamp: 1800 (1 lamp)
Luminaire Lumens: 488.6 lumens
Efficiency: 27.1%
Efficacy: -
Spacing Criteria (0/90/45): 1.2 / 1.22 / 1.36
Luminous Opening: Rectangular (W 0.42' x L: 0.83' x H: 0')
CIE Type: Direct

Input Watts (W): 0
Input Voltage (V): NR
Input Current (A_{in}): 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	32	32	32	32	32	32	32	32	30	30	30	29	29	29	28	28	28	27				27
1	30	28	27	26	29	28	27	26	26	26	25	25	25	24	24	24	23	23				23
2	27	25	23	21	26	24	22	21	23	22	20	22	21	20	21	20	20	19				19
3	25	22	19	18	24	21	19	18	20	19	17	20	18	17	19	18	17	16				16
4	22	19	17	15	22	19	17	15	18	16	15	18	16	14	17	15	14	14				14
5	21	17	15	13	20	17	15	13	16	14	13	16	14	13	15	14	12	12				12
6	19	15	13	11	19	15	13	11	15	13	11	14	12	11	14	12	11	10				10
7	18	14	12	10	17	14	12	10	13	11	10	13	11	10	13	11	10	9				9
8	16	13	10	9	16	13	10	9	12	10	9	12	10	9	12	10	9	8				8
9	15	12	10	8	15	12	9	8	11	9	8	11	9	8	11	9	8	7				7
10	14	11	9	7	14	11	9	7	10	9	7	10	8	7	10	8	7	7				7

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	5515	5515	5515	5515
5°	5554	5514	5359	5514
10°	5597	5468	5220	5468
15°	5658	5412	5076	5412
20°	5721	5363	4880	5363
25°	5802	5277	4616	5277
30°	5869	5191	4414	5191
35°	5911	5115	4214	5115
40°	5941	5026	4031	5026
45°	6013	4978	3830	4978
50°	6062	4861	3603	4861
55°	6078	4727	3343	4727
60°	6120	4533	2989	4533
65°	6166	4281	2601	4281
70°	6247	3990	2067	3990
75°	6275	3484	1336	3484
80°	6330	2774	409	2774
85°	6979	1488	0	1488



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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	16.9	3.5	0.9
10°-20°	47.9	9.8	2.7
20°-30°	71.5	14.6	4.0
30°-40°	85.3	17.5	4.7
40°-50°	88.0	18.0	4.9
50°-60°	78.7	16.1	4.4
60°-70°	59.3	12.1	3.3
70°-80°	32.6	6.7	1.8
80°-90°	8.6	1.8	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°	136.3	27.9	7.6
0°-40°	221.5	45.3	12.3
0°-60°	388.2	79.4	21.6
0°-90°	488.6	100.0	27.1
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°	488.6	100.0	27.1

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	179	179	179	179	179	
5°	179	178	173	178	179	17
15°	177	169	159	169	177	50
25°	170	155	136	155	170	79
35°	157	136	112	136	157	98
45°	138	114	88	114	138	106
55°	113	88	62	88	113	101
65°	84	59	36	59	84	84
75°	53	29	11	29	53	55
85°	20	4	0	4	20	22
90°	6	0	0	0	6	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	178.6	178.6	178.6	178.6	178.6	178.6	178.6	178.6	178.6	178.6	178.6
2.5°	178.1	178.6	180.6	180.4	178.5	179.3	178.9	175.8	175.4	175.8	178.9
5°	179.2	179.7	180.8	180.2	177.9	177.8	177.2	173.8	172.9	173.8	177.2
7.5°	178.9	179.3	180.4	179.3	176.2	176.1	174.6	171.5	169.5	171.5	174.6
10°	178.5	178.8	179.6	178.0	174.4	173.1	171.5	168.2	166.5	168.2	171.5
12.5°	178.5	178.1	178.8	175.9	172.2	170.7	168.4	164.5	162.4	164.5	168.4
15°	177.0	177.3	177.4	174.8	169.3	167.3	164.4	160.2	158.8	160.2	164.4
17.5°	176.1	175.8	175.8	172.6	166.6	162.9	159.6	155.2	154.1	155.2	159.6
20°	174.1	173.9	173.5	169.8	163.2	158.0	154.4	149.4	148.5	149.4	154.4
22.5°	172.6	171.9	171.2	167.2	159.1	153.9	149.5	144.4	142.4	144.4	149.5
25°	170.3	169.3	168.2	163.9	154.9	149.0	145.3	139.2	135.5	139.2	145.3
27.5°	167.5	166.0	164.5	159.4	150.4	144.2	140.1	133.2	128.9	133.2	140.1
30°	164.6	162.8	160.8	155.5	145.6	139.4	134.8	128.0	123.8	128.0	134.8
32.5°	160.8	158.9	156.7	150.6	140.9	133.3	128.5	121.3	117.5	121.3	128.5
35°	156.8	155.0	152.8	146.4	135.7	128.1	122.8	115.2	111.8	115.2	122.8
37.5°	152.2	150.1	148.3	142.1	130.2	123.0	117.3	108.9	105.9	108.9	117.3
40°	147.4	146.2	143.3	136.3	124.7	117.3	111.3	102.4	100.0	102.4	111.3
42.5°	142.2	140.9	137.5	130.3	119.2	111.2	105.1	96.2	94.0	96.2	105.1
45°	137.7	135.5	132.0	124.7	114.0	105.4	99.4	89.9	87.7	89.9	99.4
47.5°	132.2	129.9	125.3	118.7	107.8	99.2	93.3	83.7	81.2	83.7	93.3
50°	126.2	123.6	119.6	112.0	101.2	92.2	86.0	77.3	75.0	77.3	86.0
52.5°	120.1	116.8	112.7	105.5	94.3	85.6	78.8	71.0	68.3	71.0	78.8
55°	112.9	110.4	105.8	98.4	87.8	78.4	71.8	63.9	62.1	63.9	71.8
57.5°	106.7	103.2	98.8	91.6	80.7	71.4	65.0	57.6	55.7	57.6	65.0
60°	99.1	96.8	92.0	83.9	73.4	64.7	57.1	51.2	48.4	51.2	57.1
62.5°	92.4	89.3	84.7	77.0	66.4	58.0	50.5	44.6	42.0	44.6	50.5
65°	84.4	82.2	76.9	69.1	58.6	50.9	43.3	37.7	35.6	37.7	43.3
67.5°	76.8	74.5	69.5	61.5	51.5	44.0	36.5	31.3	29.4	31.3	36.5
70°	69.2	66.4	61.7	54.2	44.2	36.7	29.6	25.0	22.9	25.0	29.6
72.5°	60.5	58.4	53.4	45.9	36.5	28.7	22.6	18.2	16.5	18.2	22.6
75°	52.6	50.3	45.5	38.0	29.2	21.7	16.2	12.4	11.2	12.4	16.2
77.5°	43.7	41.6	36.5	30.6	22.3	15.5	10.8	7.6	6.0	7.6	10.8
80°	35.6	33.6	29.1	23.1	15.6	9.5	5.9	3.3	2.3	3.3	5.9
82.5°	26.9	25.0	20.9	15.7	9.2	4.5	1.3	0.2	0.0	0.2	1.3
85°	19.7	17.9	14.1	9.5	4.2	1.1	0.0	0.0	0.0	0.0	0.0
87.5°	12.0	10.5	7.9	4.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0
90°	6.3	5.3	2.8	1.0	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°	178.6	178.6	178.6	178.6	178.6	178.6
2.5°	179.3	178.5	180.4	180.6	178.6	178.1
5°	177.8	177.9	180.2	180.8	179.7	179.2
7.5°	176.1	176.2	179.3	180.4	179.3	178.9
10°	173.1	174.4	178.0	179.6	178.8	178.5
12.5°	170.7	172.2	175.9	178.8	178.1	178.5
15°	167.3	169.3	174.8	177.4	177.3	177.0
17.5°	162.9	166.6	172.6	175.8	175.8	176.1
20°	158.0	163.2	169.8	173.5	173.9	174.1
22.5°	153.9	159.1	167.2	171.2	171.9	172.6
25°	149.0	154.9	163.9	168.2	169.3	170.3
27.5°	144.2	150.4	159.4	164.5	166.0	167.5
30°	139.4	145.6	155.5	160.8	162.8	164.6
32.5°	133.3	140.9	150.6	156.7	158.9	160.8
35°	128.1	135.7	146.4	152.8	155.0	156.8
37.5°	123.0	130.2	142.1	148.3	150.1	152.2
40°	117.3	124.7	136.3	143.3	146.2	147.4
42.5°	111.2	119.2	130.3	137.5	140.9	142.2
45°	105.4	114.0	124.7	132.0	135.5	137.7
47.5°	99.2	107.8	118.7	125.3	129.9	132.2
50°	92.2	101.2	112.0	119.6	123.6	126.2
52.5°	85.6	94.3	105.5	112.7	116.8	120.1
55°	78.4	87.8	98.4	105.8	110.4	112.9
57.5°	71.4	80.7	91.6	98.8	103.2	106.7
60°	64.7	73.4	83.9	92.0	96.8	99.1
62.5°	58.0	66.4	77.0	84.7	89.3	92.4
65°	50.9	58.6	69.1	76.9	82.2	84.4
67.5°	44.0	51.5	61.5	69.5	74.5	76.8
70°	36.7	44.2	54.2	61.7	66.4	69.2
72.5°	28.7	36.5	45.9	53.4	58.4	60.5
75°	21.7	29.2	38.0	45.5	50.3	52.6
77.5°	15.5	22.3	30.6	36.5	41.6	43.7
80°	9.5	15.6	23.1	29.1	33.6	35.6
82.5°	4.5	9.2	15.7	20.9	25.0	26.9
85°	1.1	4.2	9.5	14.1	17.9	19.7
87.5°	0.0	0.6	4.2	7.9	10.5	12.0
90°	0.0	0.0	1.0	2.8	5.3	6.3

(END OF REPORT)