

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: HALO

Report Number: P588660

Luminaire Tested: **SLFS15AM2B**

Issue Date: 12/1/2021



**Test Information**

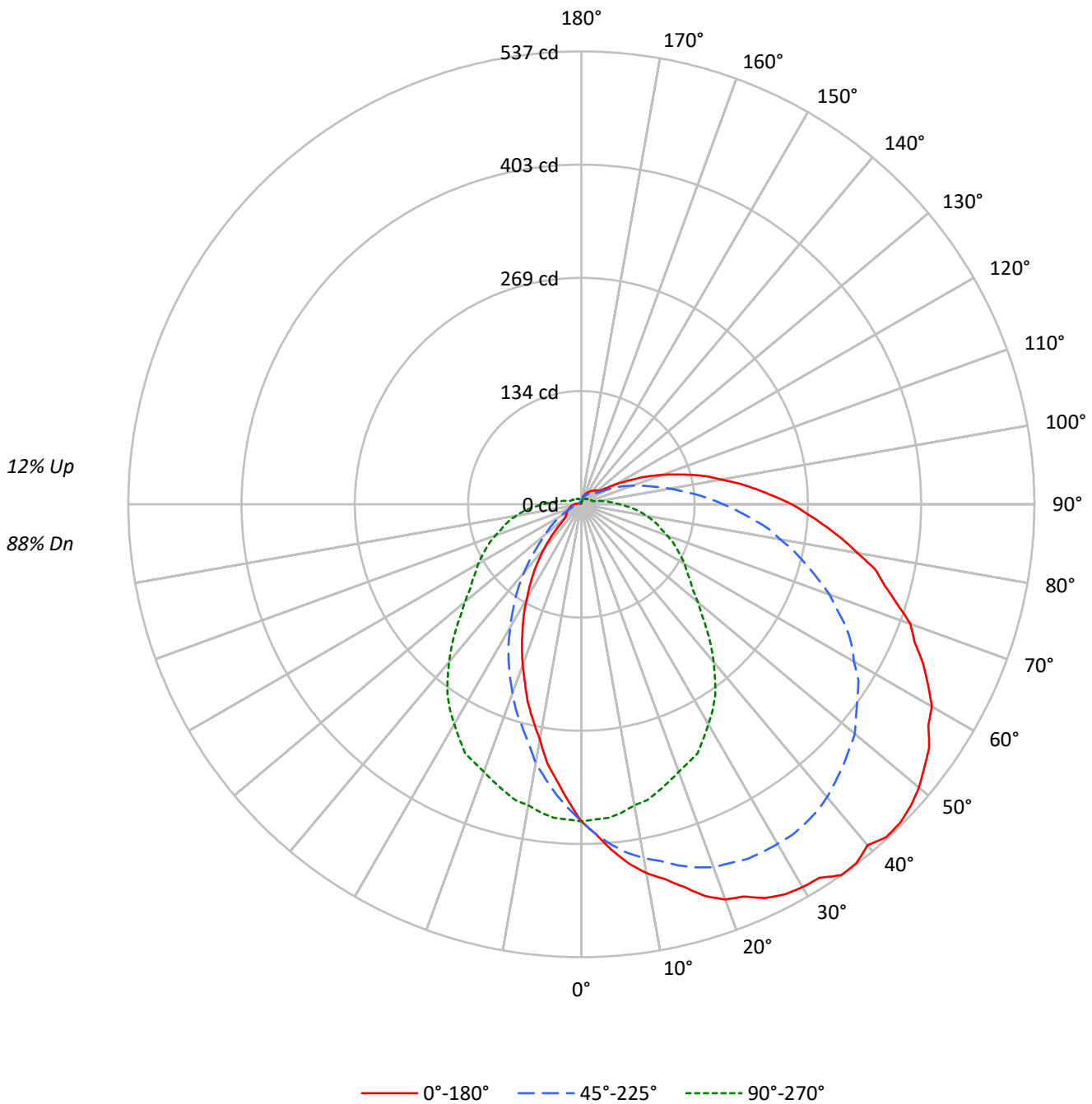
Test Method: LM-79-08  
Report Number: P588660  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2109-371-6)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 12/1/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: SLFS15AM2B  
Description:  
Light Source: (1) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1500.0 lumens  
Efficiency: N/A  
Efficacy: 1500.0 lumens/watt  
Spacing Criteria (0/90/45): 1.3 / 1.2 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.75' x L: 0.02' x H: 0.38')  
CIE Type: Semi-Direct  
  
Input Watts (W): 1  
Input Voltage (V): 120  
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: 24 FT

TEST NUMBER: P588660  
CATALOG NUMBER: SLFS15AM2B

### 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	116	116	116	116	112	112	112	112	104	104	104	97	97	97	91	91	91	88
1	103	97	91	86	99	93	88	84	87	83	79	81	77	74	75	72	70	67
2	92	83	75	68	88	80	73	66	74	68	63	69	64	60	64	60	57	53
3	84	72	63	55	80	69	61	54	64	57	52	60	54	49	56	51	47	44
4	76	63	54	46	73	61	52	45	57	49	43	53	47	41	49	44	40	37
5	70	56	47	39	67	54	45	39	51	43	37	47	41	36	44	39	34	31
6	64	50	41	34	62	49	40	33	46	38	32	43	36	31	40	34	30	27
7	60	45	36	30	57	44	35	29	41	34	28	39	32	27	36	31	26	24
8	55	41	33	27	53	40	32	26	38	30	25	36	29	24	33	28	23	21
9	52	38	29	24	50	37	29	23	35	28	23	33	26	22	31	25	21	19
10	48	35	27	21	47	34	26	21	32	25	20	30	24	20	29	23	19	17

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

	0°	90°	180°
0°	259369	259369	259369
5°	110533	247590	88523
10°	74457	233211	47447
15°	57531	221865	29880
20°	48424	209725	19702
25°	41688	201142	13329
30°	36607	186220	9023
35°	33195	172633	6078
40°	29477	154758	3814
45°	27394	136742	2195
50°	24938	121209	1217
55°	22636	110466	980
60°	20537	104348	856
65°	18392	98247	749
70°	16568	92043	619
75°	14531	87158	535
80°	12785	81115	454
85°	11064	74039	382



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	35.5	2.4
10°-20°	100.9	6.7
20°-30°	153.5	10.2
30°-40°	186.3	12.4
40°-50°	197.2	13.1
50°-60°	195.0	13.0
60°-70°	180.6	12.0
70°-80°	152.0	10.1
80°-90°	115.4	7.7
90°-100°	78.7	5.2
100°-110°	47.8	3.2
110°-120°	25.3	1.7
120°-130°	12.7	0.8
130°-140°	8.2	0.5
140°-150°	5.6	0.4
150°-160°	3.5	0.2
160°-170°	1.6	0.1
170°-180°	0.3	0.0
0°-30°	289.9	19.3
0°-40°	476.2	31.7
0°-60°	868.4	57.9
0°-90°	1316.4	87.8
90°-120°	151.9	10.1
90°-150°	178.3	11.9
90°-180°	184.0	12.3
0°-180°	1500.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	376	376	376	376	376	
5°	411	405	373	345	329	40
15°	470	443	352	272	244	134
25°	515	464	326	204	165	238
35°	537	462	277	136	98	334
45°	534	439	210	77	43	411
55°	503	400	157	42	22	449
65°	447	347	125	19	18	443
75°	372	276	94	11	14	395
85°	289	204	63	9	10	245
90°	249	168	46	8	8	136
95°	208	136	33	7	6	162
105°	135	83	15	6	4	143
115°	72	49	12	4	3	73
125°	30	25	10	3	2	29
135°	24	18	9	3	1	18
145°	19	15	8	3	1	12
155°	15	12	6	3	1	7
165°	10	8	5	3	2	3
175°	2	3	3	2	1	0
180°	1	1	1	1	1	



TEST NUMBER: P588660  
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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	375.9	375.9	375.9	375.9	375.9	375.9	375.9	375.9	375.9	375.9	375.9
2.5°	391.3	395.9	396.8	390.4	391.3	391.3	389.5	392.2	384.0	382.2	374.0
5°	411.3	415.0	413.2	408.6	407.7	405.0	400.4	399.5	389.5	383.1	373.1
7.5°	429.5	434.1	430.5	425.9	422.3	416.8	410.4	405.0	392.2	383.1	368.6
10°	444.1	447.7	446.8	437.7	433.2	425.9	417.7	409.5	392.2	380.4	362.2
12.5°	455.0	465.0	461.4	452.3	445.0	433.2	418.6	408.6	392.2	373.1	359.5
15°	469.6	480.5	475.0	465.0	456.8	443.2	426.8	411.3	391.3	368.6	352.2
17.5°	486.9	493.2	487.8	476.9	466.9	451.4	431.4	410.4	389.5	360.4	344.9
20°	498.7	505.1	497.8	486.9	476.0	457.8	433.2	412.3	385.0	358.6	337.6
22.5°	503.3	516.0	506.9	496.0	481.4	460.5	434.1	409.5	380.4	351.3	331.3
25°	515.1	526.0	516.0	503.3	487.8	464.1	434.1	409.5	374.0	340.4	325.8
27.5°	521.5	532.4	522.4	508.7	491.4	465.0	435.0	406.8	369.5	335.8	313.1
30°	524.2	536.0	526.9	512.4	494.2	465.0	432.3	401.3	363.1	324.0	301.2
32.5°	525.1	539.7	530.6	514.2	493.2	465.0	428.6	395.9	354.0	313.1	289.4
35°	536.9	542.4	532.4	516.9	491.4	462.3	426.8	390.4	344.9	301.2	276.7
37.5°	536.0	542.4	531.5	515.1	490.5	458.7	421.4	382.2	336.7	287.6	260.3
40°	527.8	542.4	531.5	511.4	488.7	453.2	414.1	373.1	325.8	274.8	243.9
42.5°	535.1	540.6	527.8	508.7	484.1	445.9	405.9	364.0	313.1	260.3	227.5
45°	534.2	536.0	523.3	505.1	478.7	438.6	397.7	354.0	301.2	244.8	210.2
47.5°	529.6	529.6	518.7	497.8	470.5	430.5	387.7	343.1	290.3	228.4	193.8
50°	522.4	526.0	511.4	491.4	463.2	423.2	377.7	330.3	277.6	211.1	180.2
52.5°	512.4	516.9	503.3	481.4	452.3	410.4	365.8	317.6	263.9	199.3	166.5
55°	503.3	505.1	492.3	471.4	440.5	399.5	354.0	304.9	250.3	186.6	157.4
57.5°	487.8	495.1	481.4	458.7	427.7	389.5	340.4	293.0	235.7	175.6	148.3
60°	479.6	481.4	468.7	445.0	415.9	373.1	327.6	279.4	224.8	166.5	141.1
62.5°	463.2	468.7	455.0	431.4	401.3	361.3	313.1	265.7	211.1	155.6	132.9
65°	446.8	455.0	439.6	415.9	385.0	346.7	298.5	250.3	197.5	146.5	124.7
67.5°	427.7	435.9	423.2	399.5	366.8	328.5	283.9	236.6	184.7	136.5	117.4
70°	415.0	417.7	404.1	382.2	350.4	313.1	268.5	222.1	170.2	127.4	108.3
72.5°	392.2	399.5	385.9	364.0	331.3	293.9	251.2	208.4	156.5	117.4	100.1
75°	372.2	381.3	365.8	344.0	314.0	275.7	233.9	190.2	144.7	109.2	93.7
77.5°	356.7	359.5	347.6	324.9	295.8	258.5	217.5	175.6	132.9	101.0	86.5
80°	332.2	335.8	324.9	304.0	276.7	239.3	200.2	160.2	121.0	92.8	78.3
82.5°	311.2	315.8	304.9	283.9	258.5	223.9	182.9	145.6	111.0	85.5	71.0
85°	289.4	293.0	282.1	263.9	239.3	203.9	166.5	131.0	102.8	77.4	62.8
87.5°	268.5	273.0	263.0	243.9	218.4	185.7	150.2	118.3	94.6	69.2	53.7
90°	249.4	252.1	242.1	223.9	199.3	168.4	134.7	108.3	84.6	61.0	45.5
92.5°	227.5	231.2	221.1	202.9	182.9	152.0	120.1	99.2	76.4	51.9	39.1
95°	207.5	211.1	202.0	184.7	163.8	135.6	107.4	89.2	69.2	43.7	32.8
97.5°	188.4	191.1	182.9	167.4	145.6	120.1	97.4	81.0	61.0	37.3	27.3
100°	168.4	171.1	163.8	149.2	131.0	106.5	88.3	71.9	51.9	30.9	22.8
102.5°	152.9	153.8	146.5	132.9	113.8	93.7	79.2	63.7	43.7	26.4	18.2
105°	134.7	136.5	129.2	116.5	99.2	82.8	70.1	56.4	37.3	20.9	14.6
107.5°	117.4	120.1	112.8	100.1	86.5	73.7	61.9	49.1	31.9	17.3	13.7
110°	101.9	102.8	96.5	85.5	73.7	64.6	54.6	41.0	26.4	14.6	12.7



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	87.4	88.3	81.9	71.9	63.7	56.4	46.4	34.6	21.8	13.7	12.7
115°	71.9	72.8	68.3	61.0	55.5	49.1	39.1	28.2	18.2	13.7	11.8
117.5°	58.2	59.2	56.4	51.0	48.2	41.0	32.8	23.7	16.4	13.7	11.8
120°	48.2	48.2	44.6	42.8	41.0	34.6	27.3	20.0	15.5	12.7	10.9
122.5°	37.3	37.3	36.4	36.4	33.7	29.1	22.8	18.2	14.6	12.7	10.9
125°	30.0	30.9	30.9	30.9	29.1	24.6	20.0	17.3	14.6	11.8	10.0
127.5°	26.4	27.3	27.3	26.4	24.6	21.8	18.2	16.4	13.7	10.9	10.0
130°	24.6	25.5	24.6	23.7	22.8	20.0	18.2	15.5	12.7	10.9	9.1
132.5°	24.6	24.6	23.7	22.8	21.8	19.1	17.3	14.6	12.7	10.0	9.1
135°	23.7	23.7	22.8	21.8	20.9	18.2	16.4	14.6	11.8	10.0	9.1
137.5°	21.8	22.8	21.8	20.9	20.0	17.3	15.5	13.7	11.8	10.0	9.1
140°	20.9	21.8	20.9	20.0	18.2	16.4	14.6	12.7	10.9	9.1	8.2
142.5°	20.0	20.0	20.0	19.1	17.3	16.4	13.7	12.7	10.9	9.1	8.2
145°	19.1	19.1	19.1	18.2	16.4	14.6	13.7	11.8	10.0	9.1	8.2
147.5°	18.2	18.2	18.2	16.4	15.5	14.6	12.7	11.8	10.0	8.2	7.3
150°	16.4	17.3	16.4	15.5	14.6	13.7	11.8	10.9	9.1	8.2	7.3
152.5°	15.5	16.4	15.5	14.6	13.7	12.7	11.8	10.9	9.1	8.2	7.3
155°	14.6	14.6	14.6	13.7	13.7	11.8	10.9	10.0	9.1	7.3	6.4
157.5°	13.7	13.7	13.7	12.7	12.7	11.8	10.9	10.0	8.2	7.3	6.4
160°	12.7	12.7	12.7	11.8	11.8	10.9	10.0	9.1	7.3	6.4	6.4
162.5°	11.8	11.8	11.8	10.9	10.9	10.0	9.1	8.2	6.4	5.5	5.5
165°	10.0	10.9	10.0	10.0	9.1	8.2	7.3	7.3	5.5	5.5	4.6
167.5°	9.1	9.1	8.2	8.2	7.3	6.4	5.5	5.5	5.5	4.6	4.6
170°	6.4	6.4	6.4	6.4	5.5	4.6	4.6	4.6	4.6	4.6	3.6
172.5°	2.7	2.7	3.6	4.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
175°	1.8	1.8	1.8	1.8	1.8	2.7	3.6	3.6	3.6	3.6	2.7
177.5°	0.9	1.8	0.9	0.9	0.9	0.9	1.8	1.8	2.7	2.7	2.7
180°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9



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**CANDELA DISTRIBUTION (continued):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	375.9	375.9	375.9	375.9	375.9	375.9	375.9	375.9	375.9	375.9
2.5°	372.2	364.0	364.9	358.6	360.4	357.6	351.3	356.7	352.2	352.2
5°	369.5	357.6	354.9	345.8	344.9	339.4	333.1	334.9	331.3	329.4
7.5°	364.9	349.5	344.0	332.2	327.6	320.3	311.2	313.1	310.3	309.4
10°	354.9	334.0	328.5	315.8	311.2	298.5	289.4	289.4	286.7	283.0
12.5°	349.5	328.5	315.8	300.3	289.4	276.7	268.5	270.3	263.0	263.0
15°	340.4	318.5	304.9	283.9	272.1	259.4	249.4	247.5	243.0	243.9
17.5°	329.4	306.7	290.3	269.4	256.6	242.1	232.1	225.7	221.1	222.1
20°	323.1	293.9	274.8	253.0	238.4	223.9	211.1	207.5	202.0	202.9
22.5°	313.1	283.9	262.1	235.7	221.1	203.9	192.0	189.3	183.8	183.8
25°	304.0	272.1	246.6	222.1	203.9	186.6	173.8	169.3	166.5	164.7
27.5°	291.2	256.6	230.2	205.7	186.6	168.4	155.6	151.1	148.3	147.4
30°	279.4	243.0	216.6	188.4	168.4	152.9	139.2	134.7	130.1	129.2
32.5°	264.8	225.7	197.5	170.2	152.0	135.6	122.9	117.4	114.7	112.8
35°	252.1	206.6	178.4	154.7	136.5	120.1	108.3	102.8	97.4	98.3
37.5°	233.9	188.4	158.3	137.4	121.0	104.7	92.8	87.4	82.8	82.8
40°	213.9	169.3	142.9	121.9	105.6	90.1	78.3	71.9	68.3	68.3
42.5°	193.8	152.9	130.1	109.2	91.9	75.5	63.7	57.3	55.5	54.6
45°	176.5	140.1	117.4	95.6	77.4	61.9	51.0	45.5	42.8	42.8
47.5°	162.9	129.2	107.4	82.8	65.5	51.0	41.9	36.4	32.8	31.9
50°	152.0	120.1	95.6	73.7	56.4	41.9	33.7	29.1	26.4	25.5
52.5°	143.8	112.8	86.5	64.6	49.1	35.5	27.3	24.6	22.8	23.7
55°	137.4	105.6	81.0	58.2	41.9	29.1	21.8	20.9	21.8	21.8
57.5°	128.3	97.4	73.7	51.0	35.5	22.8	17.3	19.1	20.9	20.9
60°	121.0	91.0	67.3	46.4	29.1	18.2	15.5	18.2	20.0	20.0
62.5°	114.7	84.6	61.0	40.0	23.7	14.6	13.7	16.4	18.2	19.1
65°	107.4	78.3	54.6	34.6	19.1	12.7	12.7	14.6	17.3	18.2
67.5°	100.1	71.9	48.2	28.2	15.5	11.8	11.8	12.7	16.4	16.4
70°	92.8	65.5	42.8	23.7	12.7	10.9	10.0	11.8	14.6	15.5
72.5°	85.5	59.2	36.4	19.1	11.8	10.0	10.0	11.8	14.6	14.6
75°	78.3	51.9	30.9	15.5	10.9	10.0	9.1	9.1	13.7	13.7
77.5°	71.0	44.6	25.5	12.7	10.9	10.0	9.1	9.1	12.7	12.7
80°	64.6	38.2	20.9	10.9	10.0	10.0	8.2	8.2	11.8	11.8
82.5°	56.4	31.9	16.4	10.9	10.0	9.1	8.2	7.3	10.9	10.9
85°	48.2	26.4	12.7	10.0	9.1	8.2	7.3	7.3	10.0	10.0
87.5°	41.0	21.8	10.9	10.0	9.1	8.2	7.3	7.3	9.1	9.1
90°	34.6	17.3	10.0	9.1	8.2	7.3	7.3	7.3	8.2	8.2
92.5°	29.1	13.7	10.0	9.1	8.2	7.3	6.4	6.4	7.3	7.3
95°	23.7	11.8	10.0	8.2	7.3	6.4	5.5	6.4	6.4	6.4
97.5°	19.1	10.0	9.1	8.2	7.3	6.4	5.5	5.5	5.5	5.5
100°	15.5	10.0	9.1	7.3	6.4	5.5	4.6	4.6	5.5	5.5
102.5°	12.7	10.0	8.2	7.3	5.5	4.6	4.6	4.6	4.6	4.6
105°	11.8	10.0	8.2	6.4	5.5	4.6	3.6	3.6	3.6	3.6
107.5°	11.8	9.1	7.3	6.4	5.5	4.6	3.6	3.6	3.6	3.6
110°	11.8	9.1	7.3	5.5	4.6	3.6	2.7	2.7	3.6	3.6





TEST NUMBER: P588660  
 CATALOG NUMBER: SLFS15AM2B

**CANDELA DISTRIBUTION (continued):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	10.9	8.2	7.3	5.5	4.6	3.6	2.7	2.7	2.7	2.7
115°	10.9	8.2	6.4	5.5	3.6	2.7	2.7	2.7	2.7	2.7
117.5°	10.0	8.2	6.4	5.5	3.6	2.7	1.8	1.8	2.7	2.7
120°	10.0	7.3	6.4	4.6	3.6	2.7	1.8	1.8	1.8	1.8
122.5°	9.1	7.3	5.5	4.6	3.6	1.8	1.8	1.8	1.8	1.8
125°	9.1	7.3	5.5	4.6	2.7	1.8	1.8	1.8	1.8	1.8
127.5°	9.1	6.4	5.5	4.6	2.7	1.8	1.8	0.9	1.8	1.8
130°	8.2	6.4	5.5	3.6	2.7	1.8	0.9	0.9	0.9	0.9
132.5°	8.2	6.4	5.5	3.6	2.7	1.8	0.9	0.9	0.9	0.9
135°	8.2	6.4	4.6	3.6	2.7	1.8	0.9	0.9	0.9	0.9
137.5°	7.3	6.4	4.6	3.6	2.7	1.8	0.9	0.9	0.9	0.9
140°	7.3	5.5	4.6	3.6	2.7	1.8	0.9	0.9	0.9	0.9
142.5°	7.3	5.5	4.6	3.6	2.7	1.8	0.9	0.9	0.9	0.9
145°	7.3	5.5	4.6	3.6	2.7	1.8	0.9	0.9	0.9	0.9
147.5°	7.3	5.5	4.6	3.6	2.7	1.8	0.9	0.9	0.9	0.9
150°	6.4	5.5	4.6	3.6	2.7	1.8	0.9	0.9	0.9	0.9
152.5°	6.4	5.5	4.6	3.6	2.7	1.8	1.8	0.9	0.9	0.9
155°	6.4	5.5	4.6	3.6	2.7	1.8	1.8	1.8	0.9	0.9
157.5°	6.4	4.6	3.6	2.7	2.7	1.8	1.8	1.8	1.8	1.8
160°	5.5	4.6	3.6	2.7	2.7	1.8	1.8	1.8	1.8	1.8
162.5°	4.6	4.6	3.6	2.7	2.7	2.7	1.8	1.8	1.8	1.8
165°	4.6	3.6	3.6	2.7	2.7	1.8	1.8	2.7	1.8	1.8
167.5°	3.6	3.6	2.7	2.7	2.7	1.8	1.8	1.8	1.8	2.7
170°	3.6	3.6	2.7	2.7	2.7	1.8	1.8	1.8	1.8	1.8
172.5°	3.6	2.7	2.7	2.7	1.8	1.8	1.8	0.9	0.9	0.9
175°	2.7	2.7	2.7	1.8	1.8	0.9	0.9	0.9	0.9	0.9
177.5°	1.8	1.8	1.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9
180°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9

(END OF REPORT)