

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: STREETWORKS

Report Number: P560291

Luminaire Tested: **SDL-PA1-30-830-U-SL3**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560291
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-16)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-30-830-U-SL3
Description: Springdale
(1) 80 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3005.1 lumens
Efficiency: N/A
Efficacy: 99.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 30.1
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: 24 FT

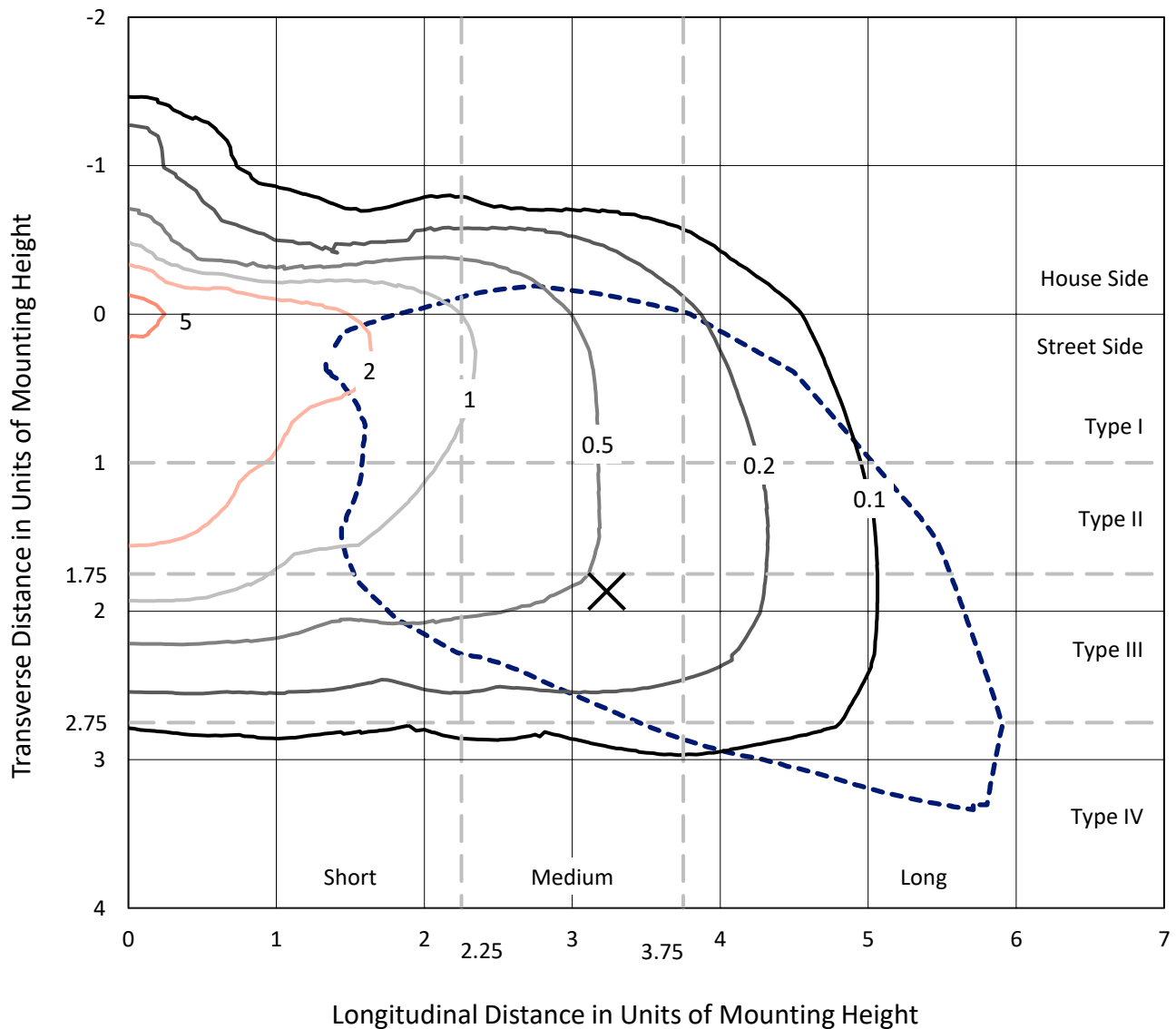


REPORT NUMBER: P560291

CATALOG NUMBER: SDL-PA1-30-830-U-SL3

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

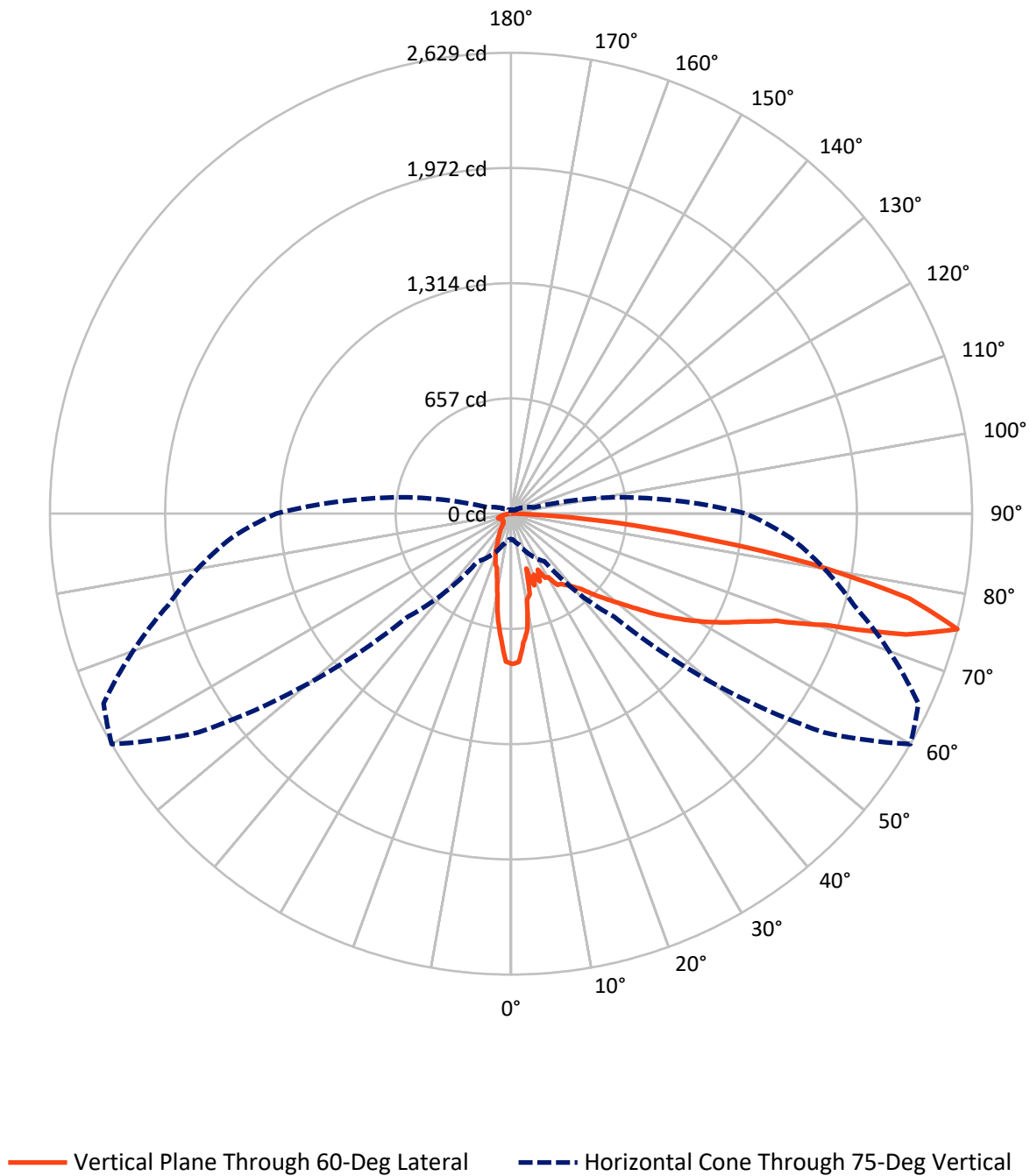


Based on 10 foot mounting height. Maximum calculated value = 8.6 fc
 Type III - Medium - N/A

REPORT NUMBER: P560291

CATALOG NUMBER: SDL-PA1-30-830-U-SL3

Luminous Intensity Polar Plot



REPORT NUMBER: P560291

CATALOG NUMBER: SDL-PA1-30-830-U-SL3

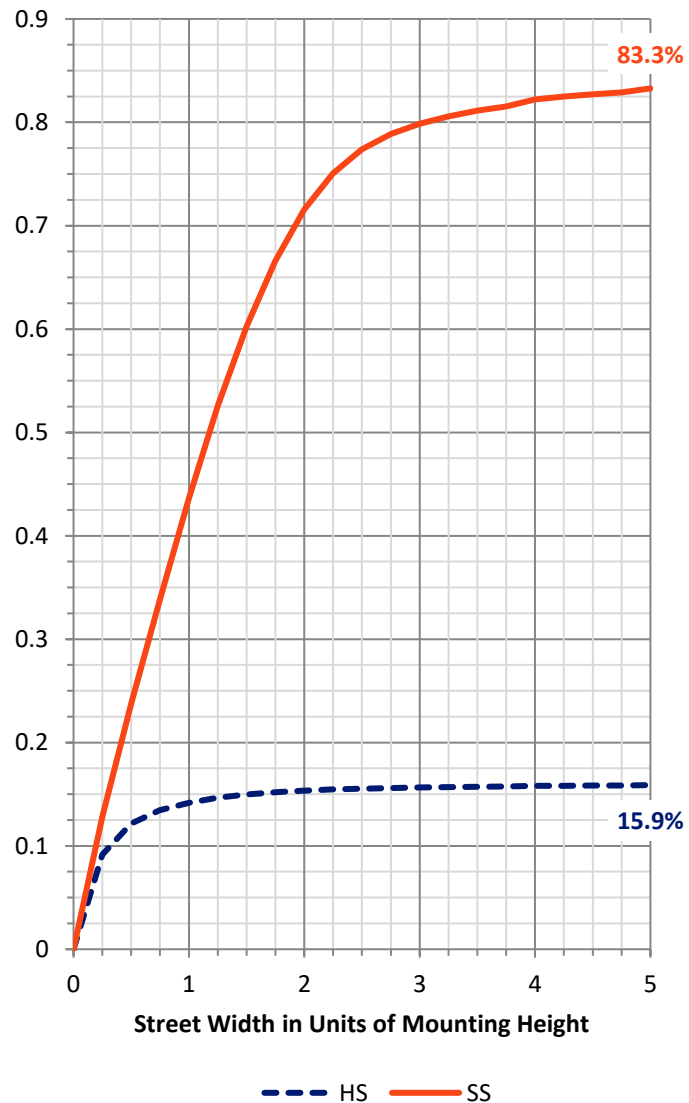
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	483.0	0.0	483.0
	% Fixture	16.1	0.0	16.1
Street Side	Lumens	2522.1	0.0	2522.1
	% Fixture	83.9	0.0	83.9
Total	Lumens	3005.1	0.0	3005.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.5	2.1
10°-20°	112.8	3.8
20°-30°	147.8	4.9
30°-40°	243.9	8.1
40°-50°	380.8	12.7
50°-60°	579.8	19.3
60°-70°	718.4	23.9
70°-80°	634.7	21.1
80°-90°	124.4	4.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3005.1	100.0
0°-180°	3005.1	100.0

Coefficient of Utilization



REPORT NUMBER: P560291

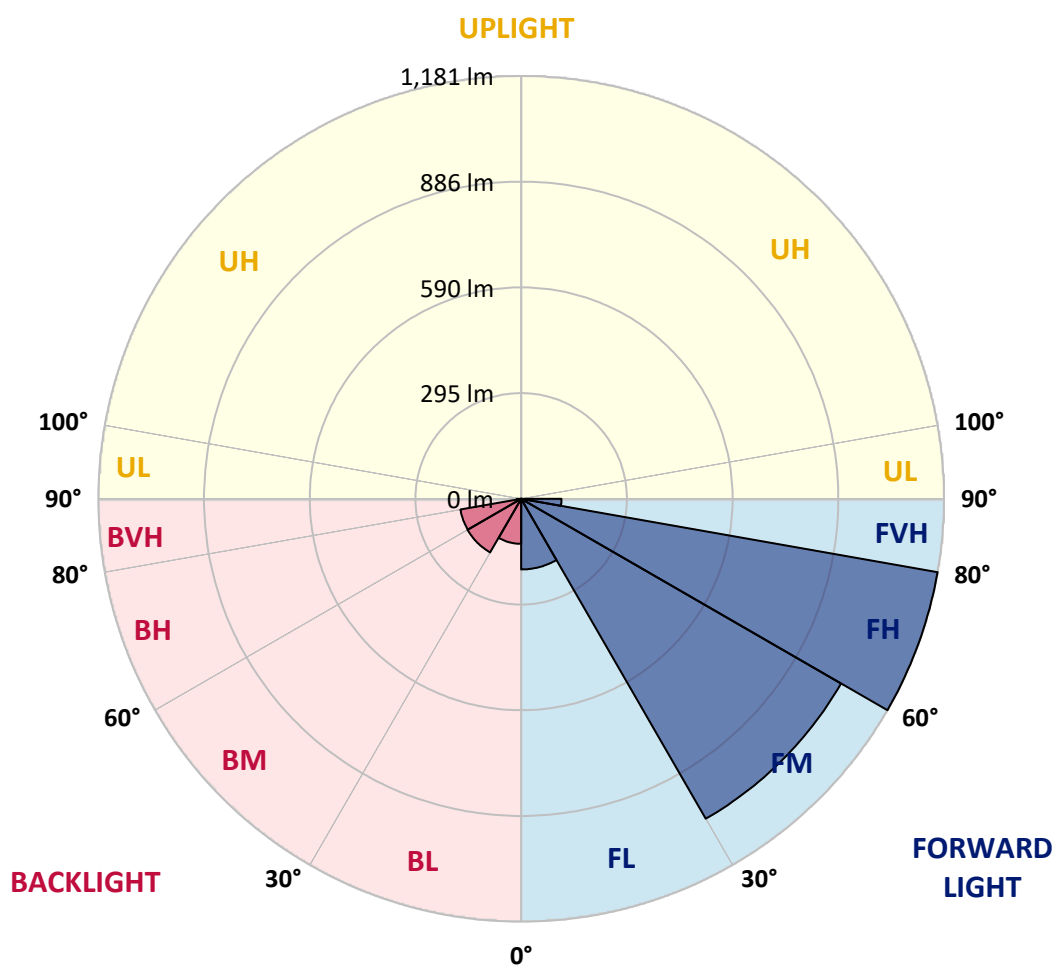
CATALOG NUMBER: SDL-PA1-30-830-U-SL3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	197.3	6.6			
FM	(30°-60°)	1031.5	34.3			
FH	(60°-80°)	1180.8	39.3			G1/1800
FVH	(80°-90°)	112.5	3.7			G2/225
BL	(0°-30°)	125.8	4.2	B1/500		
BM	(30°-60°)	173.0	5.8	B0/220		
BH	(60°-80°)	172.2	5.7	B1/500		G1/500
BVH	(80°-90°)	11.9	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Medium



REPORT NUMBER: P560291

CATALOG NUMBER: SDL-PA1-30-830-U-SL3

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2
2.5°	711.9	792.3	773.6	754.9	783.5	811.0	819.8	827.5	831.9	836.3	840.7
5°	661.3	662.4	663.5	664.6	667.9	670.1	674.5	678.9	683.3	686.6	691.0
7.5°	510.6	528.2	556.8	585.4	603.0	619.5	629.4	638.2	644.8	651.4	658.0
10°	567.8	571.1	572.2	572.2	577.7	583.2	541.4	498.5	519.4	540.3	517.2
12.5°	445.6	457.8	494.1	529.3	540.3	550.2	530.4	510.6	479.8	447.8	445.6
15°	511.7	515.0	516.1	516.1	482.0	447.8	424.7	400.5	419.2	436.8	396.1
17.5°	396.1	399.4	428.0	456.7	462.2	467.7	443.4	419.2	365.3	310.3	362.0
20°	471.0	473.2	473.2	473.2	415.9	358.7	363.1	366.4	384.0	401.6	387.3
22.5°	379.6	379.6	379.6	379.6	397.2	413.7	378.5	343.3	363.1	382.9	365.3
25°	477.6	480.9	473.2	464.4	411.5	358.7	375.2	391.7	362.0	332.3	358.7
27.5°	435.7	432.4	417.0	400.5	408.2	415.9	379.6	343.3	366.4	389.5	378.5
30°	578.8	568.9	552.4	535.9	473.2	410.4	400.5	390.6	370.8	349.9	373.0
32.5°	769.2	743.8	666.8	589.8	551.3	512.8	463.3	413.7	409.3	403.8	410.4
35°	819.8	803.3	771.4	738.3	672.3	605.2	542.5	478.7	457.8	435.7	440.1
37.5°	829.7	824.2	817.6	809.9	742.7	675.6	607.4	539.2	517.2	494.1	477.6
40°	837.4	841.8	853.9	864.9	797.8	729.5	667.9	605.2	582.1	557.9	529.3
42.5°	872.6	884.7	900.1	914.4	852.8	791.2	737.2	683.3	653.6	623.9	597.5
45°	954.0	960.6	977.1	992.5	934.2	874.8	813.2	750.5	725.1	699.8	673.4
47.5°	1072.9	1083.9	1082.8	1081.7	1016.7	950.7	881.4	811.0	794.5	776.9	751.6
50°	1222.5	1214.8	1193.9	1173.0	1102.6	1031.0	949.6	867.1	859.4	850.6	829.7
52.5°	1297.3	1291.8	1263.2	1233.5	1162.0	1090.5	1002.4	913.3	923.2	933.1	913.3
55°	1301.7	1298.4	1277.5	1256.6	1187.3	1118.0	1039.8	961.7	985.9	1010.1	1002.4
57.5°	1269.8	1270.9	1264.3	1256.6	1195.0	1133.4	1068.5	1003.5	1045.3	1086.1	1093.8
60°	1188.4	1204.9	1215.9	1226.9	1188.4	1149.9	1093.8	1037.6	1101.5	1165.3	1186.2
62.5°	1037.6	1052.0	1091.6	1130.1	1137.8	1144.4	1107.0	1068.5	1154.3	1239.0	1273.1
65°	804.4	824.2	883.6	943.0	1004.6	1066.3	1075.1	1083.9	1229.1	1374.4	1403.0
67.5°	501.8	512.8	575.5	637.1	761.5	884.7	955.1	1025.5	1276.4	1526.2	1571.3
70°	265.2	281.7	312.5	342.2	449.0	555.7	698.7	841.8	1204.9	1568.0	1752.9
72.5°	201.4	208.0	224.5	241.0	278.4	315.8	406.0	496.3	943.0	1388.7	1814.5
75°	145.2	150.8	168.4	184.9	222.3	258.6	296.0	332.3	582.1	831.9	1504.2
77.5°	84.7	86.9	95.7	103.4	161.8	220.1	260.8	300.4	360.9	420.3	1074.0
80°	58.3	59.4	62.7	66.0	91.3	116.6	194.8	272.9	300.4	326.8	711.9
82.5°	38.5	44.0	46.2	48.4	57.2	66.0	114.4	161.8	237.7	312.5	486.4
85°	19.8	22.0	26.4	29.7	34.1	37.4	51.7	64.9	197.0	327.9	349.9
87.5°	2.2	3.3	4.4	4.4	5.5	6.6	9.9	13.2	59.4	105.6	90.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P560291

CATALOG NUMBER: SDL-PA1-30-830-U-SL3

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2
2.5°	845.1	847.3	846.2	848.4	849.5	850.6	851.7	851.7	850.6	848.4	846.2
5°	695.4	739.4	814.3	822.0	829.7	831.9	834.1	835.2	833.0	829.7	826.4
7.5°	663.5	670.1	603.0	656.9	709.7	714.1	717.4	715.2	716.3	686.6	655.8
10°	494.1	499.6	501.8	518.3	533.7	570.0	606.3	600.8	596.4	543.6	489.7
12.5°	443.4	472.1	478.7	451.2	423.6	461.1	498.5	494.1	486.4	437.9	389.5
15°	355.4	325.7	389.5	449.0	507.3	542.5	576.6	566.7	557.9	496.3	433.5
17.5°	412.6	430.2	409.3	418.1	426.9	453.4	478.7	463.3	457.8	414.8	370.8
20°	373.0	371.9	357.6	409.3	461.1	512.8	563.4	548.0	521.6	437.9	353.2
22.5°	347.7	419.2	450.1	443.4	435.7	415.9	395.0	381.8	362.0	343.3	323.5
25°	384.0	354.3	378.5	457.8	535.9	550.2	564.5	531.5	488.6	403.8	319.1
27.5°	367.5	413.7	444.5	497.4	549.1	598.6	648.1	604.1	548.0	442.3	335.6
30°	396.1	421.4	507.3	606.3	705.3	722.9	739.4	678.9	604.1	497.4	390.6
32.5°	417.0	484.2	560.1	637.1	713.0	726.2	739.4	671.2	585.4	467.7	349.9
35°	443.4	493.0	562.3	652.5	742.7	746.0	748.3	669.0	572.2	439.0	304.8
37.5°	461.1	517.2	592.0	687.7	783.5	776.9	769.2	678.9	567.8	419.2	270.7
40°	500.7	549.1	629.4	727.3	825.3	814.3	803.3	699.8	568.9	399.4	228.9
42.5°	570.0	588.7	675.6	780.2	884.7	872.6	859.4	736.1	582.1	388.4	193.7
45°	645.9	654.7	729.5	848.4	967.2	951.8	936.4	792.3	606.3	382.9	159.6
47.5°	725.1	722.9	792.3	936.4	1079.5	1046.4	1013.4	858.3	651.4	393.9	136.4
50°	807.7	804.4	871.5	1026.6	1181.8	1146.6	1111.4	937.5	703.1	413.7	123.2
52.5°	892.4	900.1	949.6	1111.4	1272.0	1240.1	1207.1	1023.3	753.8	435.7	117.7
55°	993.6	1017.8	1037.6	1199.4	1361.2	1329.2	1296.2	1111.4	824.2	469.9	115.5
57.5°	1100.4	1132.3	1141.1	1288.5	1436.0	1415.1	1393.1	1195.0	895.7	509.5	122.1
60°	1207.1	1248.9	1280.8	1399.7	1517.4	1493.2	1469.0	1279.7	962.8	553.5	144.1
62.5°	1306.1	1364.5	1416.2	1503.1	1588.9	1560.3	1531.7	1353.5	1038.7	614.0	188.2
65°	1430.5	1482.2	1538.3	1595.5	1651.7	1624.1	1596.6	1445.9	1140.0	689.9	238.8
67.5°	1616.4	1631.8	1660.5	1695.7	1729.8	1713.3	1695.7	1559.2	1228.0	733.9	238.8
70°	1936.6	1902.5	1859.6	1858.5	1856.3	1829.9	1802.4	1623.0	1233.5	716.3	199.2
72.5°	2239.2	2355.9	2219.4	2120.4	2021.4	1904.7	1787.0	1537.2	1089.4	623.9	158.5
75°	2175.4	2628.8	2562.8	2294.3	2025.8	1814.5	1603.2	1339.1	896.8	516.1	135.3
77.5°	1726.5	2319.6	2382.3	2135.8	1888.2	1602.1	1314.9	1035.4	621.7	367.5	113.3
80°	1096.0	1734.2	1745.2	1516.3	1286.3	979.3	672.3	451.2	299.3	194.8	90.2
82.5°	660.2	1026.6	893.5	640.4	387.3	268.5	148.5	143.0	110.0	81.4	52.8
85°	371.9	502.9	360.9	236.6	112.2	80.3	47.3	50.6	48.4	39.6	29.7
87.5°	73.7	86.9	59.4	34.1	8.8	8.8	7.7	7.7	5.5	5.5	4.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P560291

CATALOG NUMBER: SDL-PA1-30-830-U-SL3

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2	857.2
2.5°	846.2	846.2	844.0	841.8	840.7	839.6	806.6	773.6	751.6	728.4	722.9
5°	785.7	744.9	714.1	683.3	676.7	670.1	669.0	667.9	664.6	660.2	659.1
7.5°	620.6	584.3	609.6	633.8	629.4	623.9	620.6	616.2	608.5	600.8	562.3
10°	477.6	465.5	465.5	464.4	455.6	446.7	466.6	486.4	508.4	530.4	528.2
12.5°	407.1	423.6	380.7	336.7	360.9	384.0	406.0	426.9	437.9	449.0	414.8
15°	384.0	333.4	319.1	304.8	315.8	326.8	294.9	261.9	287.2	312.5	318.0
17.5°	344.4	318.0	303.7	288.3	246.5	203.6	217.9	232.2	231.1	230.0	224.5
20°	321.3	288.3	263.0	236.6	216.8	197.0	176.1	154.1	144.1	133.1	159.6
22.5°	305.9	288.3	235.5	182.7	167.3	151.9	135.3	117.7	124.3	129.8	134.2
25°	267.4	214.6	184.9	155.2	130.9	105.6	106.7	107.8	102.3	96.8	122.1
27.5°	270.7	204.7	158.5	112.2	103.4	93.5	88.0	81.4	90.2	97.9	100.1
30°	283.9	177.2	134.2	91.3	81.4	71.5	74.8	77.0	77.0	77.0	88.0
32.5°	252.0	154.1	114.4	73.7	68.2	61.6	62.7	62.7	68.2	73.7	79.2
35°	213.5	121.0	93.5	64.9	59.4	53.9	56.1	58.3	63.8	69.3	77.0
37.5°	183.8	95.7	77.0	58.3	55.0	51.7	52.8	53.9	59.4	63.8	70.4
40°	155.2	80.3	68.2	56.1	52.8	49.5	50.6	50.6	55.0	59.4	63.8
42.5°	134.2	73.7	64.9	55.0	51.7	47.3	48.4	48.4	51.7	55.0	58.3
45°	115.5	70.4	62.7	53.9	50.6	46.2	46.2	45.1	48.4	50.6	52.8
47.5°	103.4	69.3	61.6	53.9	49.5	44.0	42.9	41.8	45.1	47.3	50.6
50°	96.8	69.3	61.6	52.8	47.3	41.8	40.7	39.6	44.0	47.3	52.8
52.5°	94.6	70.4	61.6	52.8	46.2	39.6	39.6	39.6	47.3	55.0	57.2
55°	94.6	72.6	62.7	51.7	45.1	38.5	40.7	42.9	45.1	47.3	47.3
57.5°	96.8	71.5	60.5	49.5	45.1	39.6	38.5	37.4	38.5	39.6	39.6
60°	106.7	69.3	58.3	47.3	41.8	36.3	35.2	34.1	36.3	37.4	37.4
62.5°	128.7	68.2	58.3	47.3	40.7	34.1	34.1	33.0	34.1	35.2	36.3
65°	157.4	75.9	61.6	47.3	40.7	34.1	31.9	29.7	31.9	33.0	33.0
67.5°	164.0	89.1	71.5	52.8	42.9	33.0	30.8	28.6	30.8	31.9	31.9
70°	148.5	97.9	77.0	56.1	45.1	33.0	30.8	27.5	28.6	29.7	28.6
72.5°	127.6	95.7	75.9	55.0	44.0	31.9	29.7	26.4	27.5	27.5	26.4
75°	108.9	82.5	64.9	46.2	37.4	27.5	25.3	23.1	24.2	24.2	24.2
77.5°	91.3	68.2	52.8	36.3	29.7	22.0	20.9	19.8	20.9	22.0	20.9
80°	71.5	51.7	39.6	26.4	22.0	16.5	17.6	17.6	18.7	18.7	18.7
82.5°	41.8	30.8	25.3	18.7	15.4	12.1	13.2	14.3	15.4	15.4	15.4
85°	25.3	19.8	16.5	13.2	11.0	7.7	9.9	11.0	11.0	11.0	9.9
87.5°	4.4	4.4	4.4	4.4	3.3	2.2	4.4	5.5	5.5	5.5	4.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P560291

CATALOG NUMBER: SDL-PA1-30-830-U-SL3

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	857.2	857.2	857.2	857.2
2.5°	716.3	716.3	715.2	715.2
5°	658.0	655.8	653.6	655.8
7.5°	523.8	508.4	493.0	497.4
10°	524.9	523.8	522.7	521.6
12.5°	379.6	367.5	355.4	347.7
15°	322.4	319.1	314.7	314.7
17.5°	217.9	208.0	198.1	191.5
20°	186.0	191.5	195.9	198.1
22.5°	138.6	143.0	147.4	149.7
25°	146.3	157.4	167.3	168.4
27.5°	101.2	106.7	111.1	108.9
30°	99.0	102.3	105.6	105.6
32.5°	84.7	93.5	102.3	103.4
35°	84.7	89.1	93.5	94.6
37.5°	75.9	79.2	81.4	82.5
40°	68.2	70.4	71.5	71.5
42.5°	60.5	66.0	70.4	70.4
45°	53.9	68.2	82.5	86.9
47.5°	52.8	73.7	94.6	99.0
50°	57.2	77.0	95.7	97.9
52.5°	58.3	69.3	79.2	79.2
55°	46.2	51.7	56.1	55.0
57.5°	39.6	44.0	47.3	47.3
60°	37.4	42.9	47.3	48.4
62.5°	36.3	38.5	40.7	42.9
65°	33.0	33.0	33.0	33.0
67.5°	30.8	30.8	29.7	29.7
70°	27.5	27.5	27.5	27.5
72.5°	25.3	25.3	25.3	24.2
75°	23.1	23.1	22.0	22.0
77.5°	19.8	19.8	19.8	19.8
80°	17.6	17.6	16.5	16.5
82.5°	14.3	14.3	13.2	12.1
85°	8.8	8.8	7.7	6.6
87.5°	3.3	3.3	2.2	1.1
90°	0.0	0.0	0.0	0.0

(END OF REPORT)