

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: P560307

Luminaire Tested: **SDL-PA1-30-830-U-T4W**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560307
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-12)
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-T4W
Description: Springdale
(1) 80 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE 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 IV - 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

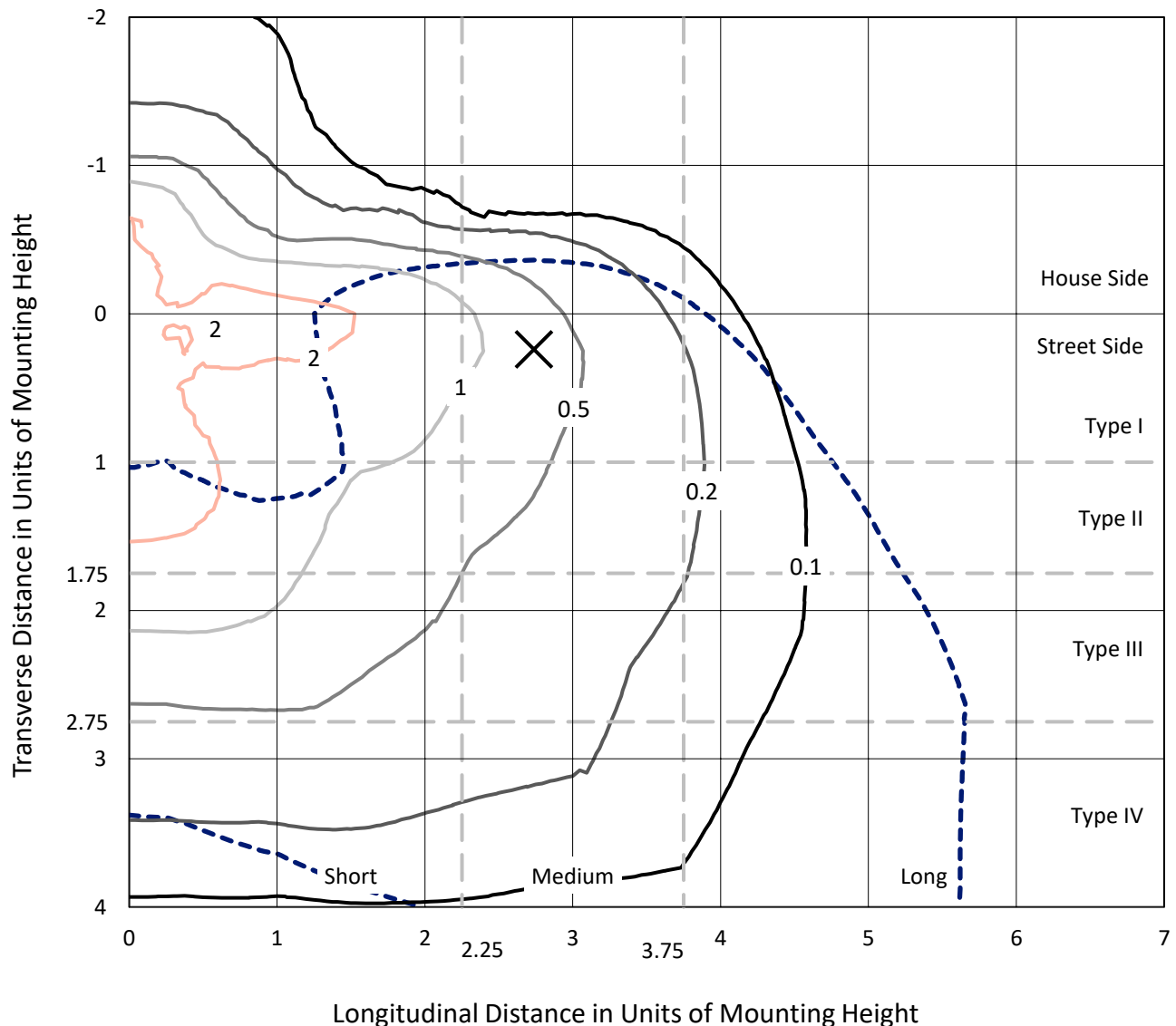


REPORT NUMBER: P560307

CATALOG NUMBER: SDL-PA1-30-830-U-T4W

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

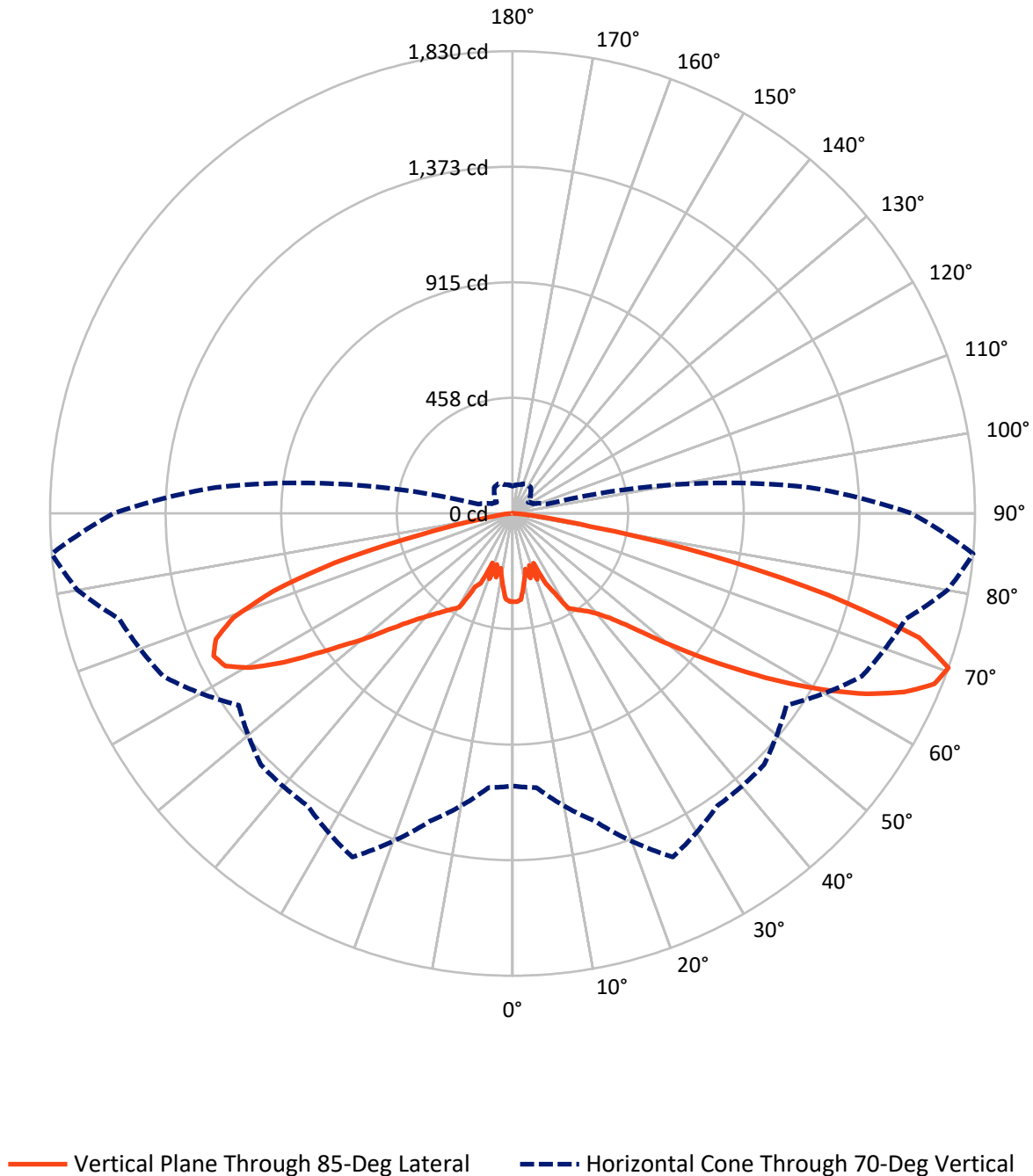


Based on 10 foot mounting height. Maximum calculated value = 3.5 fc
 Type IV - Medium - N/A

REPORT NUMBER: P560307

CATALOG NUMBER: SDL-PA1-30-830-U-T4W

Luminous Intensity Polar Plot



REPORT NUMBER: P560307

CATALOG NUMBER: SDL-PA1-30-830-U-T4W

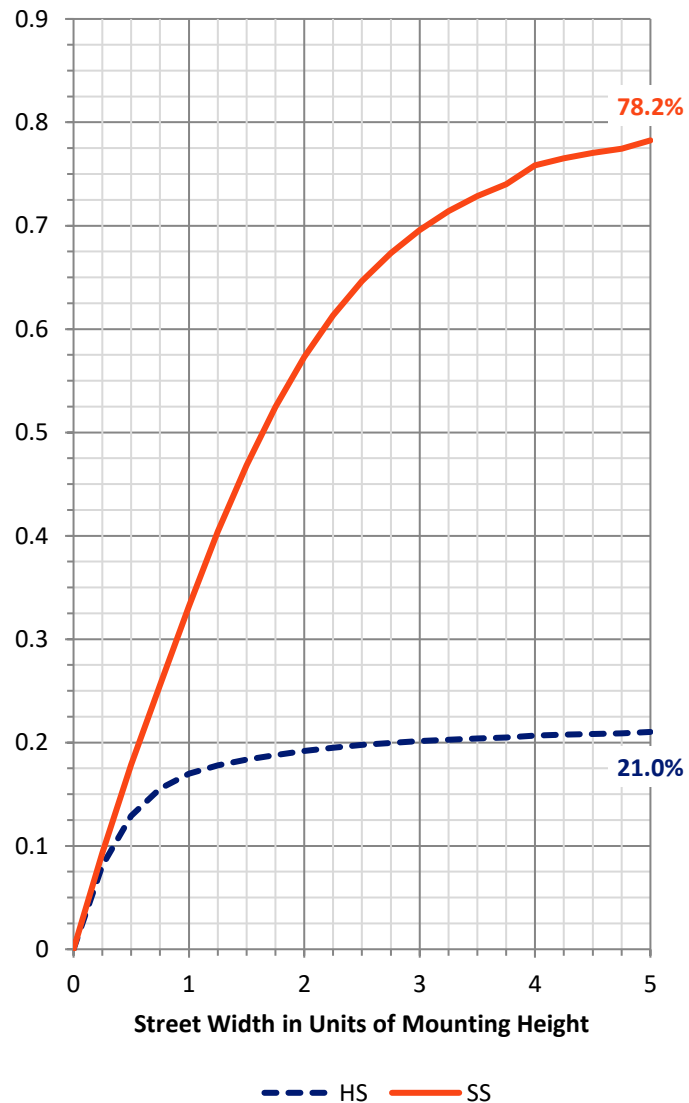
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	646.1	0.0	646.1
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	2359.0	0.0	2359.0
	% Fixture	78.5	0.0	78.5
Total	Lumens	3005.1	0.0	3005.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.0	1.0
10°-20°	73.1	2.4
20°-30°	127.9	4.3
30°-40°	225.2	7.5
40°-50°	339.7	11.3
50°-60°	540.4	18.0
60°-70°	792.5	26.4
70°-80°	743.1	24.7
80°-90°	134.2	4.5
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: P560307

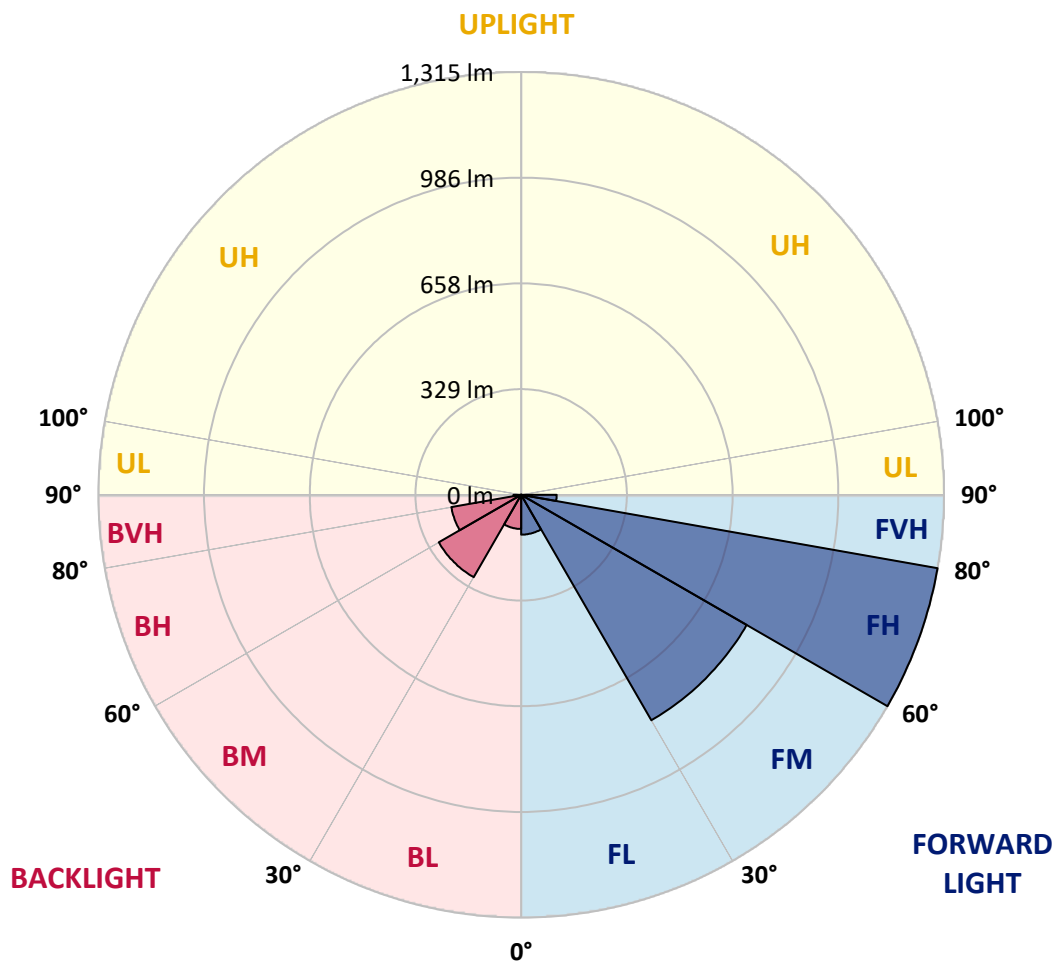
CATALOG NUMBER: SDL-PA1-30-830-U-T4W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	123.9	4.1			
FM	(30°-60°)	809.6	26.9			
FH	(60°-80°)	1315.0	43.8			G1/1800
FVH	(80°-90°)	110.5	3.7			G2/225
BL	(0°-30°)	106.1	3.5	B0/110		
BM	(30°-60°)	295.8	9.8	B1/1000		
BH	(60°-80°)	220.6	7.3	B1/500		G1/500
BVH	(80°-90°)	23.7	0.8			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 IV Medium



REPORT NUMBER: P560307

CATALOG NUMBER: SDL-PA1-30-830-U-T4W

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	349.4	349.4	349.4	349.4	349.4	349.4	349.4	349.4	349.4	349.4	349.4
2.5°	317.3	330.6	337.2	343.9	346.1	348.3	348.3	347.2	347.2	347.2	349.4
5°	322.8	321.7	321.7	321.7	320.6	319.5	318.4	316.2	315.1	312.8	311.7
7.5°	296.2	318.4	319.5	320.6	320.6	319.5	321.7	323.9	321.7	318.4	313.9
10°	351.7	350.6	348.3	346.1	342.8	339.5	313.9	287.3	289.5	291.8	270.7
12.5°	305.1	326.2	335.0	343.9	345.0	345.0	327.3	308.4	284.0	259.6	249.6
15°	372.7	370.5	366.1	361.7	331.7	300.6	282.9	265.1	265.1	265.1	235.2
17.5°	313.9	312.8	332.8	352.8	341.7	330.6	305.1	279.6	241.8	203.0	227.4
20°	384.9	384.9	379.4	373.9	322.8	270.7	274.0	276.2	277.3	277.3	266.2
22.5°	322.8	320.6	322.8	323.9	323.9	323.9	277.3	230.7	256.3	280.7	255.2
25°	384.9	386.1	384.9	383.8	337.2	289.5	297.3	305.1	269.6	233.0	257.4
27.5°	336.1	335.0	329.5	323.9	325.0	326.2	301.7	276.2	290.7	305.1	279.6
30°	411.6	412.7	409.4	404.9	358.3	311.7	309.5	306.2	296.2	286.2	295.1
32.5°	497.0	497.0	462.6	428.2	399.4	369.4	345.0	320.6	330.6	340.6	329.5
35°	542.5	540.3	529.2	517.0	463.7	409.4	376.1	341.7	345.0	347.2	347.2
37.5°	623.5	622.4	606.8	591.3	519.2	446.0	402.7	358.3	365.0	370.5	362.8
40°	724.4	724.4	712.2	698.9	606.8	513.6	452.6	391.6	390.5	388.3	379.4
42.5°	822.0	825.4	817.6	809.8	702.2	594.6	514.7	434.9	424.9	414.9	406.0
45°	886.4	890.8	897.5	904.1	797.6	691.1	597.9	503.6	484.8	464.8	449.3
47.5°	951.8	945.2	954.0	962.9	872.0	781.0	678.9	576.9	545.8	514.7	498.1
50°	1012.8	1010.6	1014.0	1017.3	943.0	868.6	763.2	657.8	620.1	581.3	562.4
52.5°	1092.7	1085.0	1080.5	1076.1	1012.8	949.6	849.8	748.8	704.4	659.0	636.8
55°	1169.3	1165.9	1159.3	1151.5	1097.2	1042.8	937.4	832.0	785.4	738.8	713.3
57.5°	1248.0	1245.8	1244.7	1243.6	1195.9	1148.2	1040.6	931.9	878.6	824.3	803.2
60°	1322.4	1323.5	1332.3	1340.1	1303.5	1266.9	1158.2	1049.5	981.8	913.0	891.9
62.5°	1366.7	1370.1	1392.2	1413.3	1393.4	1373.4	1261.3	1148.2	1077.2	1005.1	990.7
65°	1310.2	1326.8	1391.1	1455.5	1455.5	1455.5	1353.4	1250.2	1188.1	1126.0	1113.8
67.5°	1183.7	1200.3	1292.4	1383.4	1431.1	1478.8	1412.2	1345.7	1303.5	1260.2	1244.7
70°	1079.4	1089.4	1175.9	1261.3	1381.2	1501.0	1457.7	1413.3	1411.1	1407.8	1365.6
72.5°	991.8	1014.0	1085.0	1154.8	1320.1	1485.4	1484.3	1483.2	1528.7	1574.2	1493.2
75°	793.2	791.0	857.5	924.1	1110.5	1295.7	1400.0	1503.2	1634.1	1763.9	1639.6
77.5°	353.9	378.3	441.5	504.8	672.3	838.7	1039.5	1240.3	1528.7	1816.0	1689.6
80°	101.0	106.5	124.2	140.9	219.7	297.3	508.1	717.8	1080.5	1442.2	1356.7
82.5°	53.2	55.5	66.6	76.5	98.7	119.8	199.7	278.4	590.2	900.8	823.1
85°	25.5	23.3	30.0	35.5	47.7	59.9	92.1	124.2	228.5	332.8	287.3
87.5°	5.5	5.5	6.7	6.7	10.0	13.3	20.0	26.6	25.5	23.3	27.7
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: P560307

CATALOG NUMBER: SDL-PA1-30-830-U-T4W

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	349.4	349.4	349.4	349.4	349.4	349.4	349.4	349.4	349.4	349.4	349.4
2.5°	350.6	351.7	352.8	351.7	350.6	349.4	349.4	348.3	348.3	347.2	345.0
5°	310.6	326.2	341.7	342.8	343.9	343.9	342.8	341.7	339.5	338.4	336.1
7.5°	309.5	304.0	298.4	299.5	300.6	301.7	301.7	298.4	297.3	288.4	279.6
10°	248.5	242.9	237.4	240.7	244.1	256.3	262.9	260.7	258.5	242.9	226.3
12.5°	239.6	237.4	235.2	218.5	201.9	216.3	226.3	225.2	221.9	207.5	193.0
15°	205.2	206.3	206.3	225.2	244.1	256.3	265.1	262.9	260.7	242.9	225.2
17.5°	250.7	238.5	225.2	221.9	218.5	224.1	216.3	204.1	211.9	209.7	207.5
20°	254.0	224.1	193.0	224.1	255.2	262.9	279.6	278.4	275.1	259.6	244.1
22.5°	229.6	247.4	264.0	247.4	230.7	219.7	214.1	211.9	210.8	215.2	218.5
25°	281.8	248.5	214.1	255.2	295.1	304.0	308.4	305.1	304.0	284.0	264.0
27.5°	252.9	270.7	288.4	301.7	315.1	326.2	359.4	327.3	326.2	307.3	287.3
30°	302.9	321.7	340.6	375.0	409.4	428.2	434.9	432.6	427.1	397.2	367.2
32.5°	318.4	356.1	392.7	408.2	422.7	442.6	452.6	451.5	446.0	410.5	373.9
35°	347.2	375.0	402.7	423.8	443.7	462.6	471.5	474.8	468.1	423.8	378.3
37.5°	355.0	390.5	426.0	448.2	470.4	484.8	492.6	502.5	494.8	441.5	387.2
40°	370.5	412.7	453.7	475.9	497.0	510.3	523.6	535.8	525.8	461.5	396.0
42.5°	396.0	439.3	481.5	507.0	531.4	550.2	565.8	582.4	563.6	480.4	396.0
45°	433.8	473.7	513.6	548.0	581.3	604.6	626.8	650.1	612.4	504.8	396.0
47.5°	481.5	520.3	558.0	612.4	666.7	687.8	714.4	736.6	675.6	535.8	396.0
50°	542.5	585.7	629.0	701.1	772.1	792.1	825.4	842.0	759.9	583.5	406.0
52.5°	613.5	661.2	707.8	792.1	876.4	909.7	954.0	965.1	845.3	631.2	416.0
55°	687.8	752.1	815.4	908.6	1000.6	1032.8	1096.0	1104.9	955.2	690.0	423.8
57.5°	782.1	857.5	931.9	1022.8	1112.7	1158.2	1256.9	1260.2	1082.7	762.1	440.4
60°	870.8	965.1	1058.3	1144.9	1231.4	1302.4	1416.7	1417.8	1202.5	816.5	429.3
62.5°	976.2	1088.3	1199.2	1273.5	1347.9	1435.5	1573.1	1553.1	1286.9	823.1	359.4
65°	1100.5	1215.9	1331.2	1394.5	1456.6	1556.4	1705.1	1628.5	1310.2	785.4	259.6
67.5°	1228.1	1335.7	1443.3	1493.2	1543.1	1669.6	1801.6	1637.4	1275.8	728.8	180.8
70°	1323.5	1424.4	1525.4	1568.6	1611.9	1748.3	1830.4	1579.7	1179.2	660.1	140.9
72.5°	1411.1	1506.5	1600.8	1623.0	1644.1	1714.0	1684.0	1392.2	994.0	555.8	116.5
75°	1515.4	1576.4	1636.3	1596.4	1556.4	1462.1	1292.4	1015.1	727.7	413.8	99.8
77.5°	1563.1	1548.7	1533.1	1396.7	1260.2	1007.3	803.2	586.9	369.4	227.4	85.4
80°	1271.3	1213.6	1154.8	926.3	697.8	477.0	312.8	198.6	135.3	102.1	68.8
82.5°	744.4	610.1	475.9	349.4	223.0	156.4	102.1	81.0	63.2	59.9	55.5
85°	240.7	213.0	185.3	146.4	107.6	66.6	38.8	35.5	33.3	36.6	38.8
87.5°	32.2	32.2	31.1	23.3	14.4	7.8	4.4	3.3	3.3	4.4	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: P560307

CATALOG NUMBER: SDL-PA1-30-830-U-T4W

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	349.4	349.4	349.4	349.4	349.4	349.4	349.4	349.4	349.4	349.4	349.4
2.5°	345.0	343.9	342.8	341.7	340.6	338.4	329.5	320.6	317.3	312.8	309.5
5°	325.0	313.9	306.2	298.4	295.1	290.7	291.8	292.9	294.0	294.0	294.0
7.5°	281.8	284.0	285.1	285.1	288.4	290.7	292.9	294.0	289.5	285.1	279.6
10°	224.1	220.8	225.2	228.5	234.1	238.5	252.9	267.4	280.7	294.0	299.5
12.5°	204.1	215.2	206.3	197.5	215.2	231.9	251.8	271.8	284.0	295.1	285.1
15°	207.5	188.6	190.8	191.9	214.1	235.2	223.0	210.8	245.2	278.4	288.4
17.5°	204.1	200.8	213.0	224.1	203.0	181.9	211.9	240.7	256.3	271.8	267.4
20°	220.8	196.4	196.4	196.4	215.2	234.1	219.7	205.2	221.9	238.5	266.2
22.5°	228.5	237.4	219.7	200.8	213.0	225.2	225.2	224.1	242.9	260.7	256.3
25°	230.7	197.5	213.0	227.4	219.7	210.8	220.8	229.6	235.2	240.7	265.1
27.5°	264.0	240.7	223.0	204.1	218.5	233.0	229.6	226.3	230.7	235.2	240.7
30°	312.8	258.5	238.5	217.4	209.7	200.8	210.8	219.7	236.3	252.9	275.1
32.5°	327.3	279.6	247.4	214.1	213.0	210.8	214.1	216.3	235.2	252.9	284.0
35°	325.0	270.7	239.6	207.5	200.8	194.1	199.7	204.1	231.9	259.6	289.5
37.5°	322.8	257.4	225.2	193.0	188.6	183.0	188.6	194.1	215.2	236.3	264.0
40°	319.5	241.8	210.8	178.6	173.1	167.5	173.1	177.5	194.1	210.8	233.0
42.5°	311.7	226.3	195.2	163.1	158.6	153.1	157.5	162.0	176.4	190.8	204.1
45°	302.9	208.6	178.6	148.7	144.2	139.8	143.1	145.3	158.6	170.8	177.5
47.5°	292.9	189.7	162.0	134.2	129.8	125.4	128.7	130.9	140.9	150.9	153.1
50°	290.7	174.2	148.7	122.0	118.7	114.3	116.5	118.7	126.5	133.1	133.1
52.5°	286.2	155.3	134.2	112.0	109.8	106.5	107.6	108.7	114.3	119.8	118.7
55°	282.9	142.0	123.1	104.3	102.1	98.7	99.8	101.0	106.5	110.9	109.8
57.5°	286.2	130.9	114.3	96.5	94.3	92.1	94.3	96.5	102.1	107.6	107.6
60°	275.1	119.8	104.3	88.7	87.6	85.4	91.0	95.4	104.3	112.0	114.3
62.5°	235.2	109.8	96.5	83.2	84.3	84.3	94.3	103.2	115.4	126.5	128.7
65°	180.8	102.1	91.0	78.8	84.3	89.9	103.2	116.5	127.6	138.7	135.3
67.5°	138.7	96.5	87.6	77.7	89.9	101.0	113.2	125.4	130.9	135.3	129.8
70°	116.5	91.0	84.3	76.5	88.7	101.0	113.2	125.4	127.6	129.8	124.2
72.5°	102.1	86.5	79.9	73.2	83.2	93.2	107.6	120.9	123.1	124.2	118.7
75°	91.0	81.0	73.2	65.5	75.4	84.3	98.7	113.2	115.4	116.5	112.0
77.5°	79.9	74.3	65.5	56.6	66.6	76.5	89.9	103.2	106.5	109.8	104.3
80°	66.6	63.2	56.6	49.9	61.0	71.0	83.2	95.4	98.7	102.1	96.5
82.5°	53.2	51.0	46.6	42.2	53.2	64.3	76.5	87.6	91.0	93.2	86.5
85°	38.8	38.8	36.6	34.4	45.5	55.5	63.2	71.0	69.9	68.8	64.3
87.5°	5.5	5.5	7.8	10.0	13.3	15.5	20.0	23.3	24.4	24.4	18.9
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: P560307

CATALOG NUMBER: SDL-PA1-30-830-U-T4W

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	349.4	349.4	349.4	349.4
2.5°	306.2	306.2	305.1	307.3
5°	294.0	295.1	295.1	296.2
7.5°	274.0	268.5	261.8	262.9
10°	305.1	306.2	307.3	307.3
12.5°	274.0	269.6	264.0	265.1
15°	297.3	300.6	304.0	305.1
17.5°	261.8	260.7	259.6	258.5
20°	292.9	298.4	304.0	304.0
22.5°	251.8	251.8	251.8	252.9
25°	289.5	296.2	301.7	301.7
27.5°	245.2	260.7	276.2	288.4
30°	296.2	299.5	302.9	304.0
32.5°	313.9	330.6	346.1	349.4
35°	318.4	326.2	332.8	336.1
37.5°	291.8	298.4	305.1	309.5
40°	254.0	259.6	265.1	268.5
42.5°	216.3	217.4	218.5	224.1
45°	184.2	178.6	173.1	172.0
47.5°	154.2	146.4	138.7	137.6
50°	132.0	125.4	118.7	118.7
52.5°	116.5	112.0	107.6	107.6
55°	108.7	106.5	103.2	103.2
57.5°	107.6	106.5	105.4	105.4
60°	115.4	116.5	116.5	116.5
62.5°	129.8	130.9	130.9	130.9
65°	130.9	128.7	126.5	126.5
67.5°	124.2	120.9	117.6	115.4
70°	117.6	115.4	112.0	108.7
72.5°	112.0	109.8	106.5	103.2
75°	106.5	103.2	98.7	96.5
77.5°	98.7	96.5	93.2	91.0
80°	89.9	87.6	84.3	79.9
82.5°	79.9	81.0	81.0	69.9
85°	58.8	55.5	51.0	42.2
87.5°	12.2	11.1	8.9	7.8
90°	0.0	0.0	0.0	0.0

(END OF REPORT)