

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: P560299

Luminaire Tested: **SDL-PA1-30-830-U-T2U**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560299
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-8)
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-T2U
Description: Springdale
(1) 80 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3056.7 lumens
Efficiency: N/A
Efficacy: 101.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

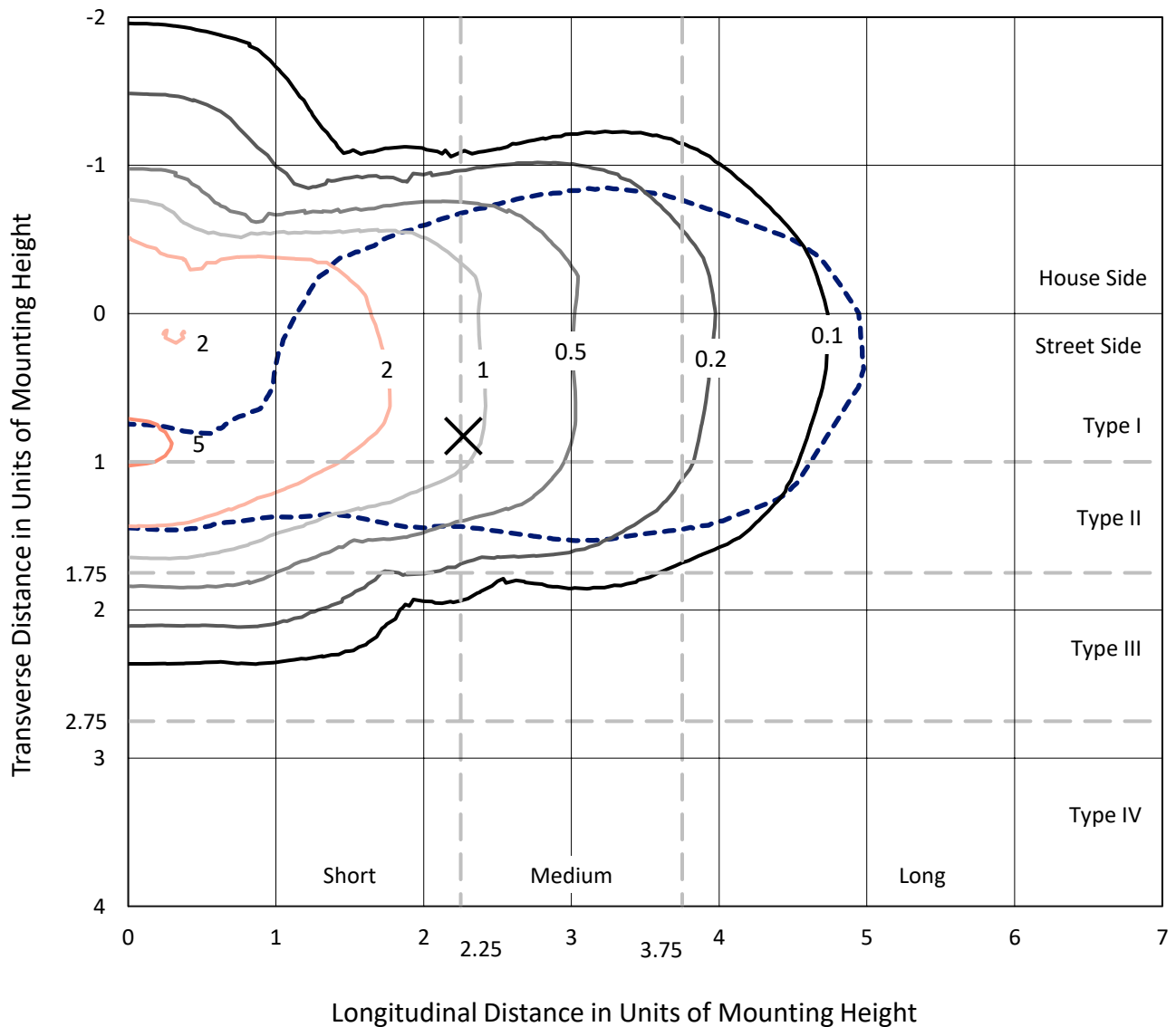
Input Watts (W): 30.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P560299
 CATALOG NUMBER: SDL-PA1-30-830-U-T2U

Iso-Footcandle Lines of Horizontal Illumination

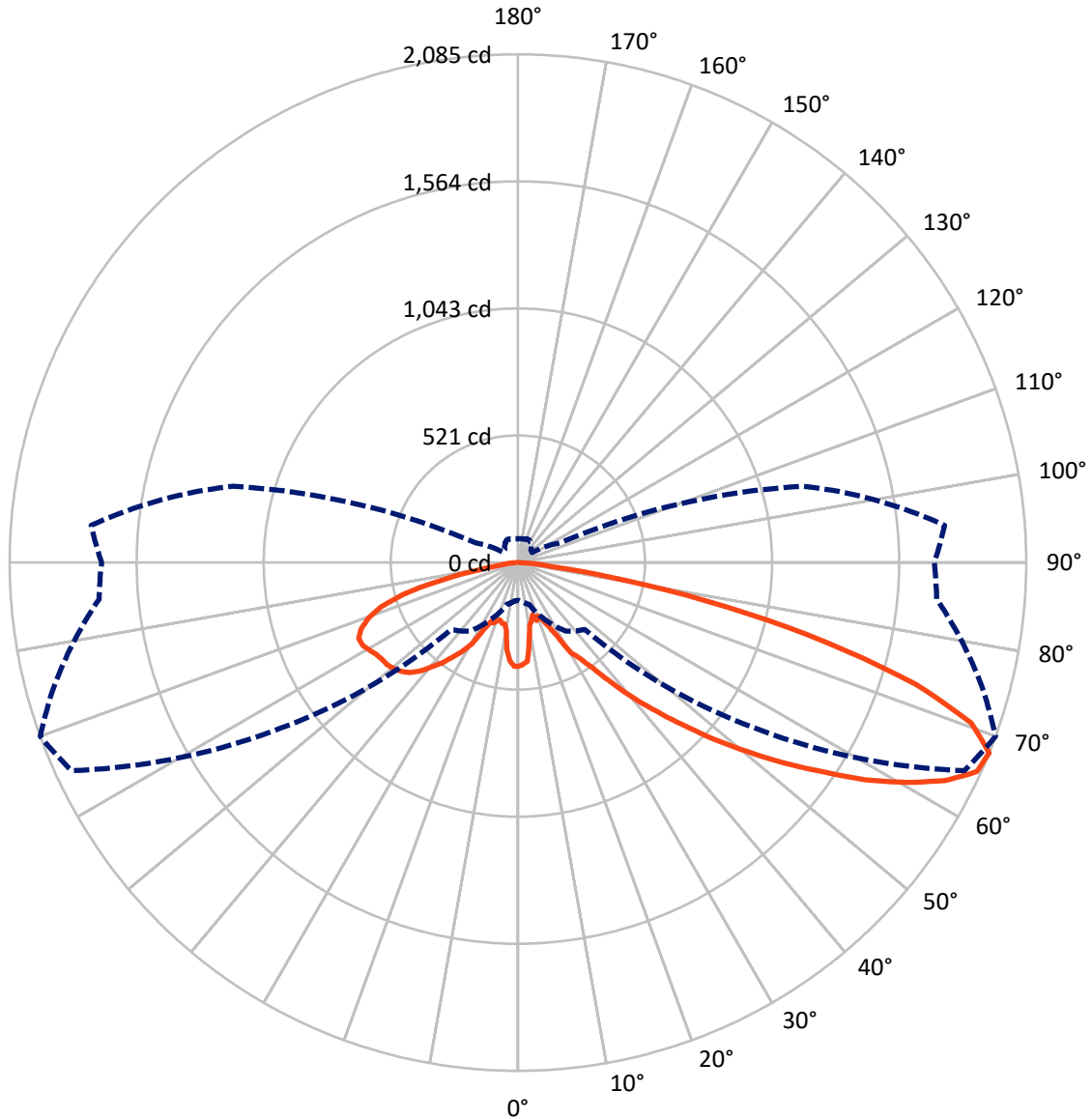
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.5 fc
 Type II - Medium - N/A

REPORT NUMBER: P560299
CATALOG NUMBER: SDL-PA1-30-830-U-T2U

Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P560299

CATALOG NUMBER: SDL-PA1-30-830-U-T2U

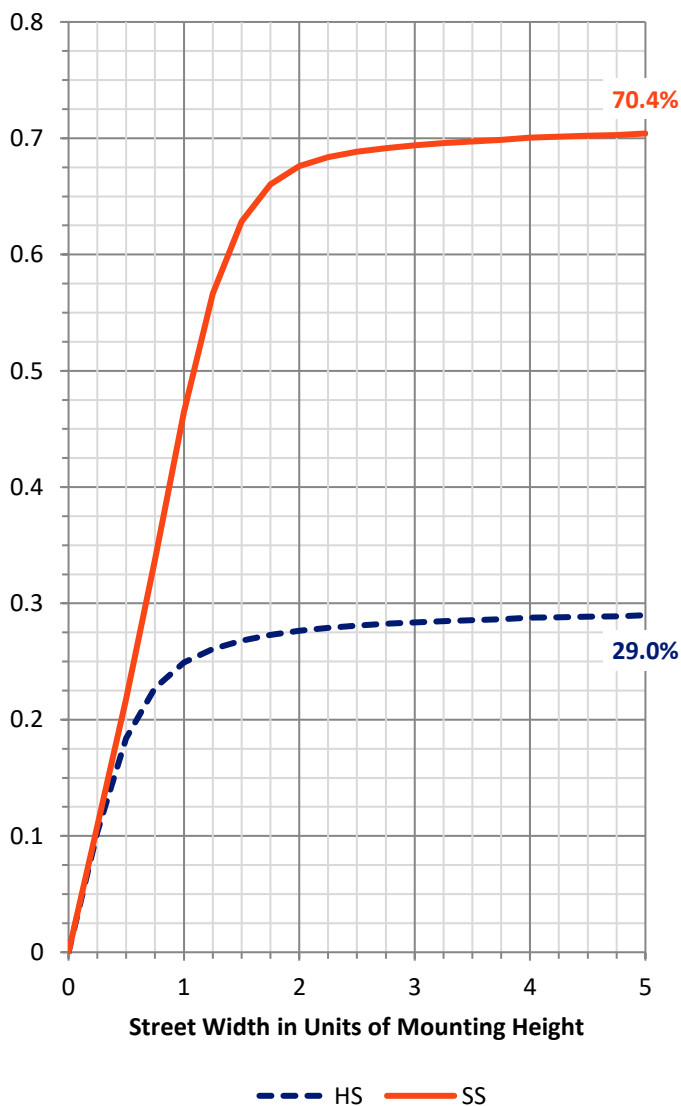
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	896.4	0.0	896.4
	% Fixture	29.3	0.0	29.3
Street Side	Lumens	2160.3	0.0	2160.3
	% Fixture	70.7	0.0	70.7
Total	Lumens	3056.7	0.0	3056.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.1	1.1
10°-20°	80.0	2.6
20°-30°	142.2	4.7
30°-40°	300.6	9.8
40°-50°	550.3	18.0
50°-60°	750.7	24.6
60°-70°	707.7	23.2
70°-80°	428.3	14.0
80°-90°	62.9	2.1
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°	3056.7	100.0
0°-180°	3056.7	100.0



REPORT NUMBER: P560299

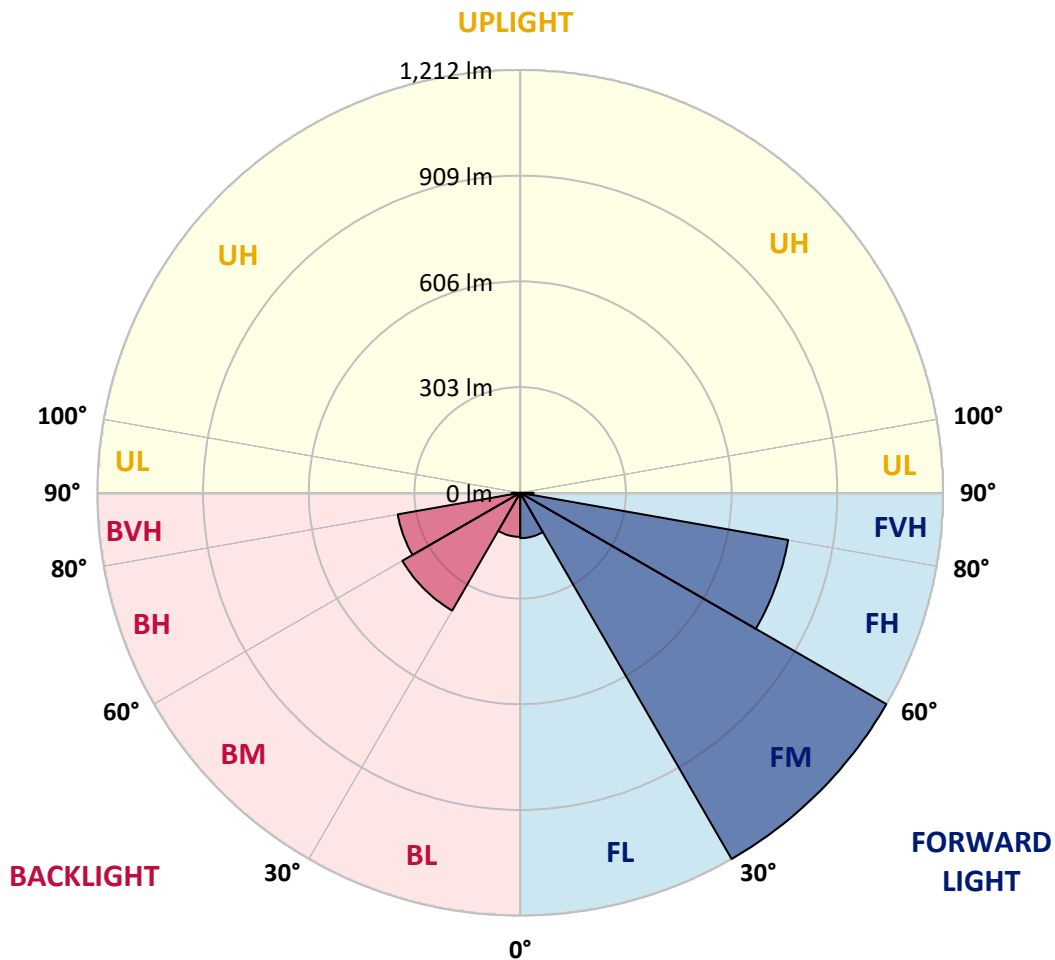
CATALOG NUMBER: SDL-PA1-30-830-U-T2U

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	130.1	4.3			
FM	(30°-60°)	1211.8	39.6			
FH	(60°-80°)	779.8	25.5			G1/1800
FVH	(80°-90°)	38.6	1.3			G1/100
BL	(0°-30°)	126.2	4.1	B1/500		
BM	(30°-60°)	389.7	12.7	B1/1000		
BH	(60°-80°)	356.1	11.7	B1/500		G1/500
BVH	(80°-90°)	24.3	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-G1

Type II Medium





REPORT NUMBER: P560299

CATALOG NUMBER: SDL-PA1-30-830-U-T2U

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	425.6	425.6	425.6	425.6	425.6	425.6	425.6	425.6	425.6	425.6	425.6
2.5°	357.4	360.7	382.7	404.7	405.8	405.8	406.9	408.0	411.3	413.5	415.7
5°	333.2	335.4	335.4	335.4	336.5	337.6	338.7	338.7	340.9	342.0	344.2
7.5°	279.3	301.3	309.0	315.6	320.0	323.3	325.5	327.7	329.9	332.1	334.3
10°	317.8	317.8	318.9	318.9	318.9	317.8	295.8	272.7	283.7	294.7	278.2
12.5°	261.7	266.1	285.9	304.6	310.1	314.5	303.5	291.4	271.6	251.8	249.6
15°	311.2	311.2	311.2	310.1	290.3	269.4	248.5	226.5	239.7	252.9	233.1
17.5°	269.4	269.4	285.9	301.3	300.2	298.0	279.3	259.5	228.7	196.9	222.1
20°	339.8	338.7	333.2	326.6	285.9	245.2	254.0	262.8	265.0	266.1	258.4
22.5°	303.5	304.6	311.2	317.8	318.9	320.0	272.7	224.3	251.8	279.3	252.9
25°	422.3	420.1	410.2	399.2	354.1	307.9	316.7	325.5	280.4	234.2	262.8
27.5°	401.4	394.8	390.4	386.0	393.7	401.4	359.6	316.7	326.6	336.5	300.2
30°	574.1	574.1	563.1	551.0	482.8	413.5	402.5	391.5	365.1	337.6	344.2
32.5°	726.9	726.9	686.2	644.5	603.8	563.1	509.2	455.3	444.3	432.2	421.2
35°	915.0	909.5	886.4	862.2	774.2	686.2	617.0	547.7	525.7	503.7	492.7
37.5°	1091.0	1078.9	1047.0	1014.0	921.6	828.1	736.8	645.6	621.4	597.2	573.0
40°	1236.1	1229.5	1207.5	1184.4	1080.0	975.5	872.1	767.6	735.7	703.8	668.6
42.5°	1369.2	1363.7	1343.9	1323.0	1219.6	1115.1	1017.3	918.3	871.0	823.7	781.9
45°	1467.1	1458.3	1445.1	1430.8	1348.3	1264.7	1165.7	1065.7	1047.0	1028.3	946.9
47.5°	1497.9	1482.5	1480.3	1478.1	1412.1	1346.1	1266.9	1187.7	1191.0	1194.3	1099.7
50°	1452.8	1429.7	1439.6	1449.5	1423.1	1395.6	1334.0	1272.4	1299.9	1326.3	1251.5
52.5°	1288.9	1283.4	1308.7	1332.9	1339.5	1346.1	1332.9	1318.6	1369.2	1419.8	1392.3
55°	1063.5	1087.7	1122.8	1158.0	1185.5	1211.9	1250.4	1288.9	1375.8	1462.7	1482.5
57.5°	838.0	863.3	904.0	944.7	976.6	1008.5	1087.7	1166.8	1297.7	1428.6	1517.7
60°	564.2	590.6	657.6	723.6	768.7	813.8	885.3	956.8	1121.7	1286.7	1467.1
62.5°	376.1	367.3	423.4	478.4	551.0	623.6	655.5	686.2	858.9	1030.5	1321.9
65°	230.9	232.0	254.0	274.9	355.2	434.4	459.7	483.9	581.8	679.6	1076.7
67.5°	155.1	158.4	168.3	178.2	216.7	255.1	299.1	343.1	366.2	388.2	785.2
70°	137.5	138.6	143.0	147.4	158.4	169.4	210.1	250.7	237.5	223.2	445.4
72.5°	121.0	122.1	129.8	136.4	141.9	147.4	171.6	195.8	180.4	165.0	222.1
75°	99.0	102.3	110.0	116.6	127.6	137.5	143.0	148.5	140.8	132.0	143.0
77.5°	81.4	83.6	89.1	94.6	105.6	115.5	121.0	126.5	114.4	102.3	108.9
80°	63.8	64.9	69.3	73.7	82.5	90.2	96.8	102.3	91.3	79.2	82.5
82.5°	38.5	39.6	46.2	51.7	59.4	66.0	70.4	73.7	77.0	79.2	69.3
85°	20.9	20.9	25.3	29.7	30.8	31.9	36.3	39.6	49.5	58.3	50.6
87.5°	3.3	3.3	4.4	4.4	6.6	7.7	8.8	8.8	9.9	9.9	11.0
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: P560299

CATALOG NUMBER: SDL-PA1-30-830-U-T2U

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	425.6	425.6	425.6	425.6	425.6	425.6	425.6	425.6	425.6	425.6	425.6
2.5°	416.8	417.9	417.9	417.9	419.0	420.1	421.2	421.2	422.3	423.4	424.5
5°	346.4	375.0	402.5	406.9	410.2	412.4	414.6	415.7	417.9	420.1	421.2
7.5°	336.5	336.5	336.5	328.8	357.4	360.7	364.0	366.2	368.4	366.2	362.9
10°	260.6	260.6	259.5	261.7	273.8	294.7	314.5	316.7	318.9	301.3	282.6
12.5°	246.3	249.6	252.9	247.4	225.4	244.1	262.8	266.1	267.2	251.8	235.3
15°	212.3	213.4	214.5	222.1	267.2	285.9	304.6	307.9	311.2	294.7	277.1
17.5°	246.3	238.6	229.8	250.7	233.1	245.2	256.2	229.8	254.0	249.6	245.2
20°	250.7	224.3	196.9	234.2	273.8	292.5	310.1	312.3	313.4	300.2	285.9
22.5°	226.5	251.8	277.1	251.8	236.4	234.2	232.0	230.9	232.0	239.7	246.3
25°	291.4	259.5	227.6	285.9	322.2	331.0	339.8	335.4	333.2	316.7	300.2
27.5°	263.9	289.2	313.4	337.6	348.6	360.7	371.7	375.0	357.4	339.8	322.2
30°	349.7	365.1	379.4	428.9	465.2	476.2	487.2	476.2	469.6	447.6	424.5
32.5°	409.1	439.9	470.7	469.6	503.7	512.5	520.2	505.9	493.8	469.6	444.3
35°	481.7	501.5	521.3	532.3	566.4	569.7	573.0	554.3	536.7	508.1	479.5
37.5°	548.8	574.1	598.3	625.8	655.5	648.9	641.2	618.1	589.5	567.5	545.5
40°	632.4	663.1	693.9	729.1	746.7	736.8	725.8	690.6	663.1	640.1	617.0
42.5°	739.0	772.0	803.9	834.7	841.3	830.3	818.2	779.7	737.9	714.8	690.6
45°	864.4	890.8	917.2	949.1	962.3	942.5	921.6	873.2	823.7	790.7	757.7
47.5°	1004.1	1016.2	1028.3	1083.3	1100.8	1067.9	1033.8	981.0	911.7	868.8	824.8
50°	1176.7	1173.4	1169.0	1217.4	1258.1	1203.1	1147.0	1085.5	1017.3	956.8	895.2
52.5°	1364.8	1332.9	1299.9	1364.8	1384.6	1318.6	1252.6	1186.6	1118.4	1040.4	961.2
55°	1502.3	1484.7	1467.1	1513.3	1511.1	1434.1	1356.0	1277.9	1221.8	1117.3	1012.9
57.5°	1605.6	1621.0	1635.3	1681.5	1628.7	1540.7	1452.8	1374.7	1326.3	1195.4	1064.6
60°	1646.3	1725.5	1803.6	1831.1	1750.8	1651.8	1551.7	1474.8	1434.1	1275.7	1117.3
62.5°	1613.3	1788.2	1963.1	1968.6	1863.0	1751.9	1640.8	1578.1	1557.2	1362.6	1166.8
65°	1473.7	1761.8	2048.8	2068.6	1949.9	1833.3	1715.6	1669.4	1682.6	1444.0	1204.2
67.5°	1181.1	1601.2	2020.2	2085.1	1970.8	1847.6	1724.4	1707.9	1757.4	1483.6	1209.7
70°	667.5	1230.6	1792.6	1972.9	1912.5	1790.4	1667.2	1674.9	1748.6	1461.6	1174.5
72.5°	278.2	851.2	1424.2	1706.8	1759.6	1656.2	1551.7	1580.3	1630.9	1358.2	1084.4
75°	154.0	543.3	932.6	1308.7	1471.5	1444.0	1415.4	1447.3	1423.1	1159.1	895.2
77.5°	114.4	293.6	472.9	876.5	1107.4	1170.1	1231.7	1247.1	1111.8	846.8	581.8
80°	85.8	139.7	192.5	447.6	593.9	706.0	818.2	748.9	654.4	457.5	260.6
82.5°	59.4	80.3	101.2	144.1	230.9	266.1	300.2	285.9	214.5	150.7	85.8
85°	41.8	52.8	63.8	79.2	99.0	79.2	59.4	48.4	56.1	51.7	47.3
87.5°	11.0	11.0	9.9	11.0	7.7	6.6	5.5	4.4	4.4	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: P560299
 CATALOG NUMBER: SDL-PA1-30-830-U-T2U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	425.6	425.6	425.6	425.6	425.6	425.6	425.6	425.6	425.6	425.6	425.6
2.5°	425.6	426.7	426.7	426.7	426.7	425.6	420.1	414.6	401.4	388.2	383.8
5°	406.9	392.6	381.6	370.6	370.6	370.6	372.8	375.0	376.1	377.2	378.3
7.5°	362.9	361.8	366.2	370.6	373.9	377.2	379.4	381.6	377.2	372.8	362.9
10°	283.7	283.7	289.2	293.6	301.3	309.0	331.0	353.0	371.7	390.4	393.7
12.5°	257.3	278.2	266.1	252.9	280.4	307.9	332.1	355.2	373.9	391.5	377.2
15°	258.4	238.6	243.0	247.4	277.1	306.8	284.8	261.7	305.7	348.6	358.5
17.5°	246.3	247.4	267.2	287.0	257.3	226.5	265.0	303.5	320.0	335.4	321.1
20°	252.9	218.9	241.9	265.0	285.9	305.7	285.9	265.0	270.5	276.0	313.4
22.5°	267.2	288.1	268.3	248.5	272.7	295.8	285.9	276.0	293.6	310.1	294.7
25°	266.1	230.9	263.9	296.9	274.9	251.8	263.9	276.0	267.2	257.3	285.9
27.5°	306.8	291.4	282.6	272.7	284.8	296.9	271.6	246.3	246.3	246.3	243.0
30°	383.8	343.1	325.5	306.8	277.1	247.4	238.6	229.8	230.9	232.0	248.5
32.5°	428.9	413.5	360.7	307.9	280.4	252.9	229.8	206.8	209.0	211.2	232.0
35°	468.5	456.4	386.0	314.5	269.4	223.2	203.5	182.6	192.5	201.3	218.9
37.5°	513.6	480.6	384.9	288.1	239.7	191.4	179.3	167.2	173.8	179.3	190.3
40°	554.3	490.5	375.0	258.4	210.1	160.6	155.1	148.5	154.0	159.5	166.1
42.5°	598.3	504.8	360.7	215.6	177.1	138.6	136.4	134.2	139.7	145.2	149.6
45°	632.4	507.0	342.0	176.0	150.7	125.4	125.4	124.3	129.8	134.2	136.4
47.5°	654.4	482.8	312.3	140.8	129.8	118.8	119.9	119.9	124.3	127.6	128.7
50°	669.7	443.2	283.7	124.3	118.8	113.3	113.3	113.3	117.7	121.0	123.2
52.5°	680.7	399.2	257.3	114.4	112.2	108.9	108.9	107.8	113.3	118.8	119.9
55°	684.0	354.1	230.9	106.7	104.5	102.3	104.5	105.6	112.2	117.7	118.8
57.5°	691.7	318.9	209.0	99.0	97.9	96.8	100.1	103.4	110.0	116.6	116.6
60°	707.1	295.8	193.6	91.3	91.3	91.3	96.8	101.2	107.8	114.4	113.3
62.5°	721.4	274.9	179.3	83.6	84.7	85.8	92.4	99.0	105.6	112.2	111.1
65°	723.6	241.9	159.5	77.0	79.2	80.3	88.0	95.7	102.3	108.9	106.7
67.5°	699.4	189.2	129.8	70.4	73.7	75.9	84.7	92.4	99.0	104.5	102.3
70°	655.5	135.3	100.1	64.9	68.2	70.4	79.2	86.9	92.4	97.9	95.7
72.5°	590.6	96.8	78.1	59.4	61.6	63.8	71.5	79.2	85.8	91.3	89.1
75°	487.2	78.1	66.0	53.9	56.1	57.2	64.9	71.5	78.1	83.6	80.3
77.5°	323.3	63.8	56.1	48.4	49.5	50.6	57.2	62.7	68.2	72.6	70.4
80°	156.2	51.7	47.3	41.8	42.9	42.9	48.4	53.9	58.3	61.6	60.5
82.5°	63.8	40.7	37.4	34.1	34.1	34.1	39.6	44.0	48.4	51.7	49.5
85°	39.6	31.9	29.7	26.4	25.3	24.2	26.4	28.6	30.8	31.9	30.8
87.5°	5.5	5.5	6.6	7.7	6.6	4.4	6.6	8.8	8.8	7.7	6.6
90°	0.0	0.0	3.3	3.3	2.2	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P560299
 CATALOG NUMBER: SDL-PA1-30-830-U-T2U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	425.6	425.6	425.6	425.6
2.5°	379.4	379.4	379.4	381.6
5°	378.3	378.3	378.3	380.5
7.5°	353.0	342.0	331.0	332.1
10°	395.9	397.0	397.0	398.1
12.5°	361.8	344.2	326.6	328.8
15°	368.4	368.4	367.3	368.4
17.5°	306.8	301.3	295.8	295.8
20°	350.8	350.8	350.8	350.8
22.5°	279.3	278.2	277.1	278.2
25°	314.5	315.6	315.6	314.5
27.5°	239.7	254.0	267.2	268.3
30°	263.9	263.9	263.9	263.9
32.5°	252.9	263.9	274.9	276.0
35°	235.3	234.2	233.1	236.4
37.5°	200.2	198.0	195.8	195.8
40°	172.7	168.3	163.9	163.9
42.5°	152.9	149.6	145.2	144.1
45°	138.6	135.3	130.9	130.9
47.5°	128.7	126.5	124.3	123.2
50°	124.3	122.1	119.9	119.9
52.5°	121.0	119.9	117.7	117.7
55°	118.8	117.7	115.5	115.5
57.5°	116.6	115.5	113.3	113.3
60°	112.2	111.1	110.0	110.0
62.5°	108.9	107.8	106.7	106.7
65°	104.5	104.5	103.4	102.3
67.5°	99.0	99.0	99.0	96.8
70°	92.4	92.4	92.4	90.2
72.5°	85.8	85.8	84.7	81.4
75°	77.0	75.9	74.8	72.6
77.5°	68.2	66.0	63.8	62.7
80°	58.3	56.1	53.9	51.7
82.5°	46.2	45.1	42.9	37.4
85°	28.6	25.3	20.9	18.7
87.5°	5.5	4.4	3.3	1.1
90°	0.0	0.0	0.0	0.0

(END OF REPORT)