

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: P560475

Luminaire Tested: **SDL-PA1-40-830-U-T2U**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560475
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-PA1-40-830-U-T2U
Description: Springdale
(1) 80 CRI, 3000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3986.6 lumens
Efficiency: N/A
Efficacy: 101.2 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): 39.4
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



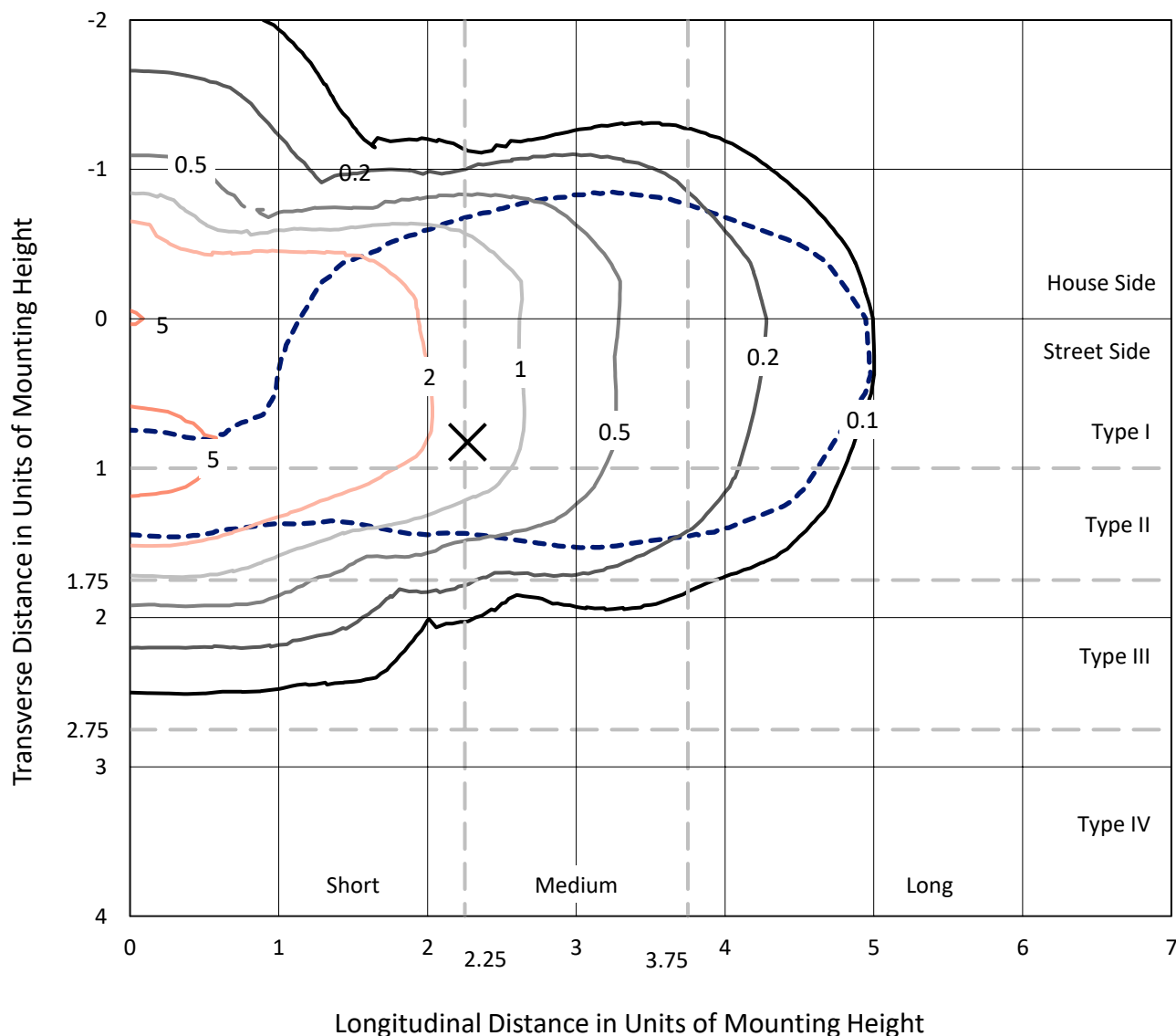
REPORT NUMBER: P560475

CATALOG NUMBER: SDL-PA1-40-830-U-T2U

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

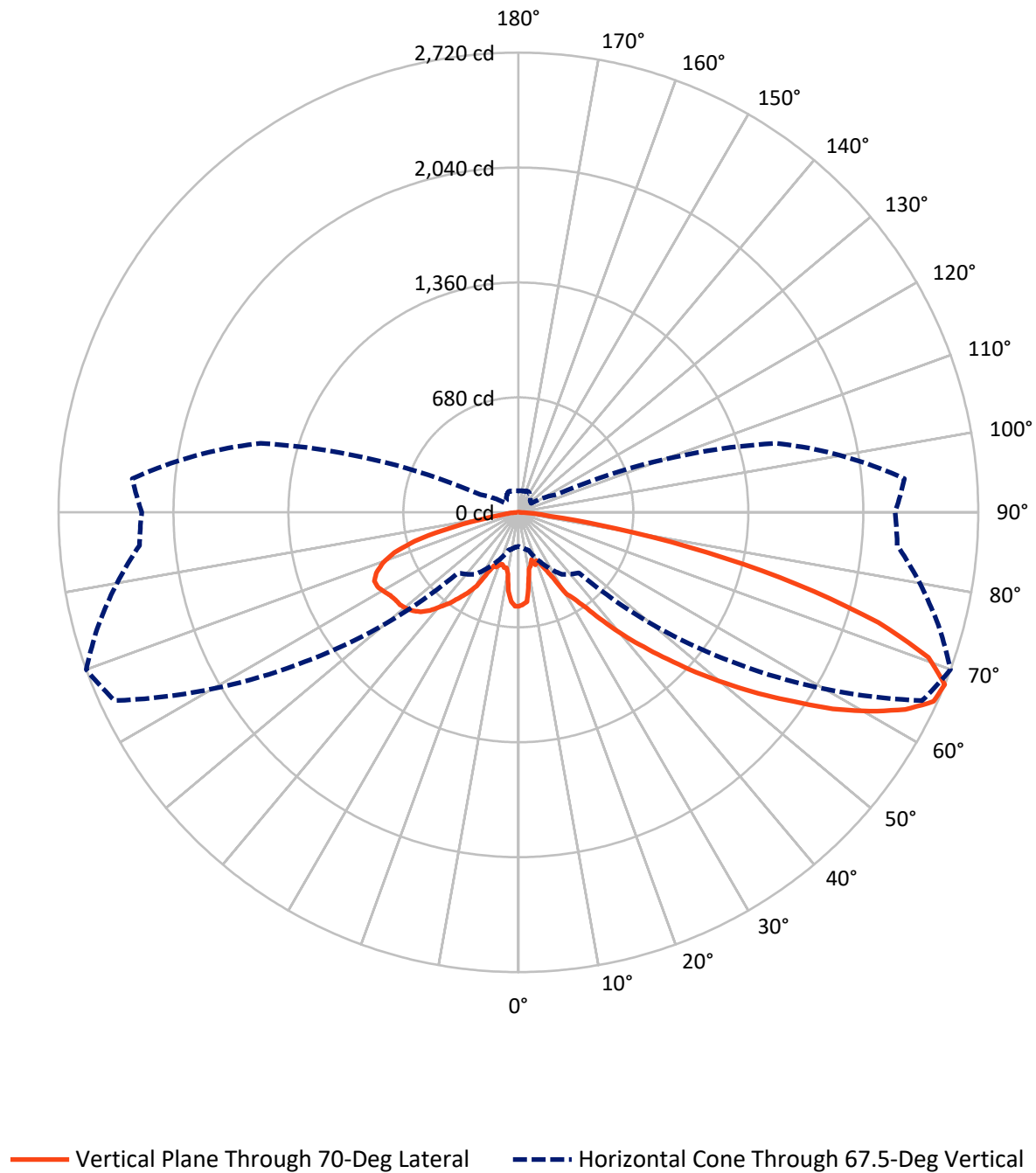


Based on 10 foot mounting height. Maximum calculated value = 7.2 fc
 Type II - Medium - N/A

REPORT NUMBER: P560475

CATALOG NUMBER: SDL-PA1-40-830-U-T2U

Luminous Intensity Polar Plot



REPORT NUMBER: P560475

CATALOG NUMBER: SDL-PA1-40-830-U-T2U

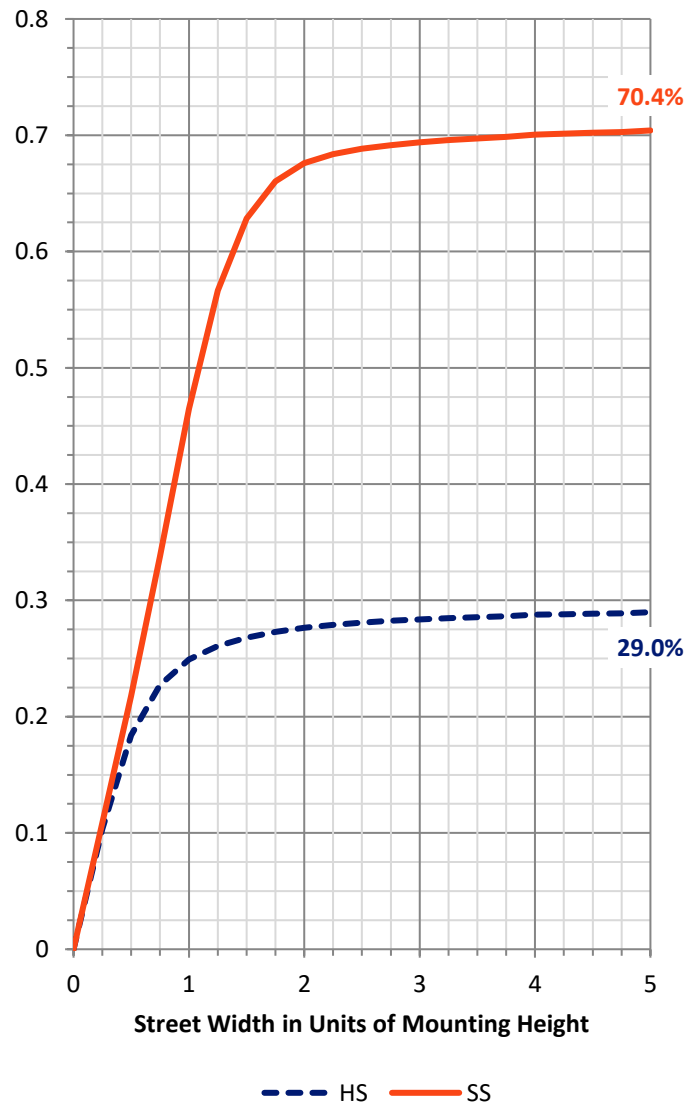
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1169.1	0.0	1169.1
	% Fixture	29.3	0.0	29.3
Street Side	Lumens	2817.5	0.0	2817.5
	% Fixture	70.7	0.0	70.7
Total	Lumens	3986.6	0.0	3986.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.5	1.1
10°-20°	104.4	2.6
20°-30°	185.4	4.7
30°-40°	392.0	9.8
40°-50°	717.6	18.0
50°-60°	979.0	24.6
60°-70°	923.0	23.2
70°-80°	558.6	14.0
80°-90°	82.1	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°	3986.6	100.0
0°-180°	3986.6	100.0

Coefficient of Utilization



REPORT NUMBER: P560475

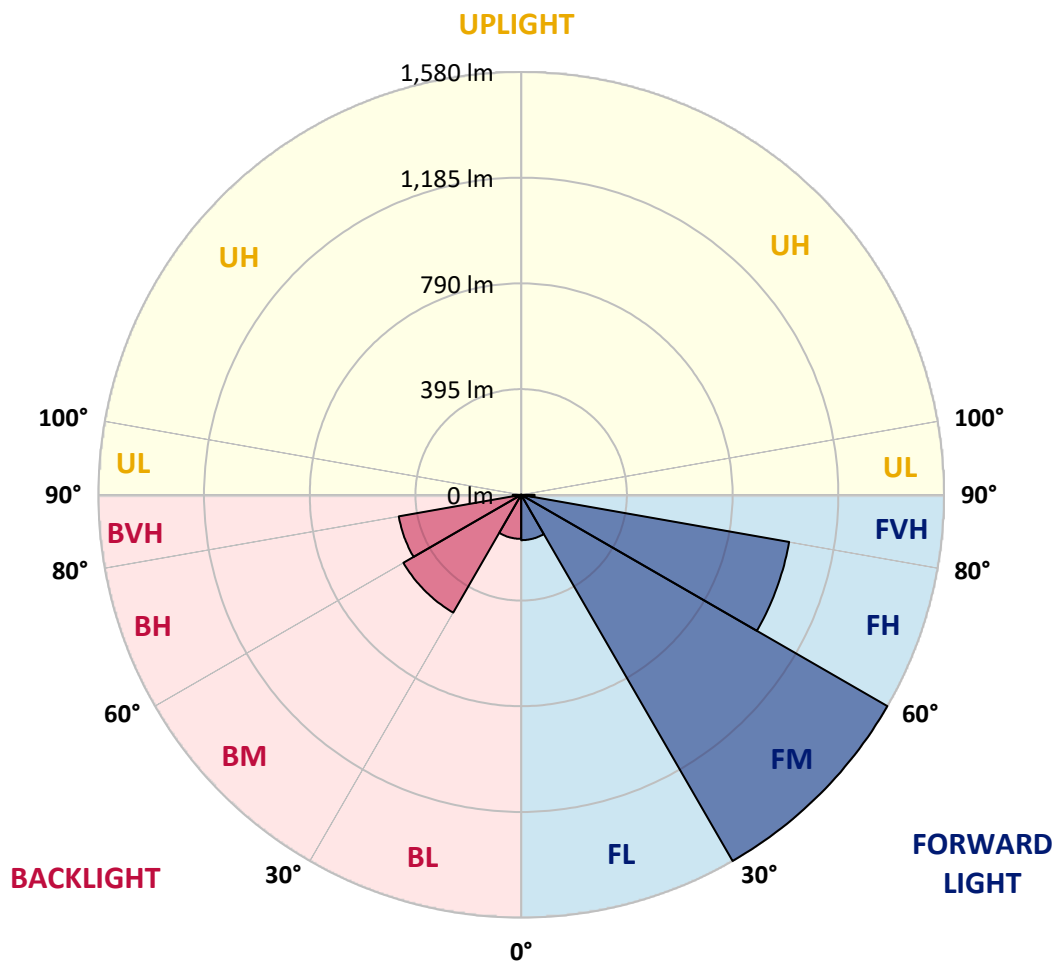
CATALOG NUMBER: SDL-PA1-40-830-U-T2U

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	169.6	4.3			
FM	(30°-60°)	1580.5	39.6			
FH	(60°-80°)	1017.1	25.5			G1/1800
FVH	(80°-90°)	50.3	1.3			G1/100
BL	(0°-30°)	164.7	4.1	B1/500		
BM	(30°-60°)	508.2	12.7	B1/1000		
BH	(60°-80°)	464.5	11.7	B1/500		G1/500
BVH	(80°-90°)	31.7	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-G1

Type II Medium



REPORT NUMBER: P560475

CATALOG NUMBER: SDL-PA1-40-830-U-T2U

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	555.1	555.1	555.1	555.1	555.1	555.1	555.1	555.1	555.1	555.1	555.1
2.5°	466.2	470.5	499.1	527.8	529.3	529.3	530.7	532.1	536.4	539.3	542.2
5°	434.6	437.5	437.5	437.5	438.9	440.3	441.8	441.8	444.6	446.1	448.9
7.5°	364.3	393.0	403.0	411.7	417.4	421.7	424.6	427.4	430.3	433.2	436.0
10°	414.5	414.5	416.0	416.0	416.0	414.5	385.8	355.7	370.1	384.4	362.9
12.5°	341.4	347.1	372.9	397.3	404.5	410.2	395.9	380.1	354.3	328.5	325.6
15°	405.9	405.9	405.9	404.5	378.7	351.4	324.2	295.5	312.7	329.9	304.1
17.5°	351.4	351.4	372.9	393.0	391.6	388.7	364.3	338.5	298.3	256.7	289.7
20°	443.2	441.8	434.6	426.0	372.9	319.9	331.3	342.8	345.7	347.1	337.1
22.5°	395.9	397.3	405.9	414.5	416.0	417.4	355.7	292.6	328.5	364.3	329.9
25°	550.8	547.9	535.0	520.7	461.9	401.6	413.1	424.6	365.8	305.5	342.8
27.5°	523.5	514.9	509.2	503.4	513.5	523.5	469.0	413.1	426.0	438.9	391.6
30°	748.7	748.7	734.4	718.6	629.7	539.3	525.0	510.6	476.2	440.3	448.9
32.5°	948.1	948.1	895.0	840.5	787.4	734.4	664.1	593.8	579.5	563.7	549.3
35°	1193.4	1186.2	1156.1	1124.5	1009.8	895.0	804.7	714.3	685.6	656.9	642.6
37.5°	1422.8	1407.1	1365.5	1322.4	1202.0	1080.0	961.0	841.9	810.4	778.8	747.3
40°	1612.2	1603.6	1574.9	1544.8	1408.5	1272.2	1137.4	1001.2	959.6	918.0	872.1
42.5°	1785.7	1778.6	1752.7	1725.5	1590.7	1454.4	1326.7	1197.7	1136.0	1074.3	1019.8
45°	1913.4	1901.9	1884.7	1866.1	1758.5	1649.5	1520.4	1389.9	1365.5	1341.1	1235.0
47.5°	1953.5	1933.5	1930.6	1927.7	1841.7	1755.6	1652.3	1549.1	1553.4	1557.7	1434.3
50°	1894.7	1864.6	1877.5	1890.4	1856.0	1820.2	1739.8	1659.5	1695.4	1729.8	1632.3
52.5°	1681.0	1673.9	1706.8	1738.4	1747.0	1755.6	1738.4	1719.8	1785.7	1851.7	1815.9
55°	1387.0	1418.5	1464.4	1510.3	1546.2	1580.6	1630.8	1681.0	1794.3	1907.6	1933.5
57.5°	1093.0	1125.9	1179.0	1232.1	1273.7	1315.3	1418.5	1521.8	1692.5	1863.2	1979.4
60°	735.8	770.2	857.7	943.8	1002.6	1061.4	1154.6	1247.9	1463.0	1678.2	1913.4
62.5°	490.5	479.1	552.2	623.9	718.6	813.3	854.9	895.0	1120.2	1344.0	1724.1
65°	301.2	302.6	331.3	358.6	463.3	566.6	599.5	631.1	758.8	886.4	1404.2
67.5°	202.2	206.5	219.5	232.4	282.6	332.8	390.1	447.5	477.6	506.3	1024.1
70°	179.3	180.7	186.5	192.2	206.5	220.9	274.0	327.0	309.8	291.2	580.9
72.5°	157.8	159.2	169.2	177.9	185.0	192.2	223.8	255.3	235.2	215.1	289.7
75°	129.1	133.4	143.4	152.0	166.4	179.3	186.5	193.6	183.6	172.1	186.5
77.5°	106.1	109.0	116.2	123.4	137.7	150.6	157.8	164.9	149.2	133.4	142.0
80°	83.2	84.6	90.4	96.1	107.6	117.6	126.2	133.4	119.0	103.3	107.6
82.5°	50.2	51.6	60.2	67.4	77.5	86.1	91.8	96.1	100.4	103.3	90.4
85°	27.3	27.3	33.0	38.7	40.2	41.6	47.3	51.6	64.5	76.0	66.0
87.5°	4.3	4.3	5.7	5.7	8.6	10.0	11.5	11.5	12.9	12.9	14.3
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: P560475

CATALOG NUMBER: SDL-PA1-40-830-U-T2U

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	555.1	555.1	555.1	555.1	555.1	555.1	555.1	555.1	555.1	555.1	555.1
2.5°	543.6	545.0	545.0	545.0	546.5	547.9	549.3	549.3	550.8	552.2	553.6
5°	451.8	489.1	525.0	530.7	535.0	537.9	540.7	542.2	545.0	547.9	549.3
7.5°	438.9	438.9	438.9	428.9	466.2	470.5	474.8	477.6	480.5	477.6	473.3
10°	339.9	339.9	338.5	341.4	357.1	384.4	410.2	413.1	416.0	393.0	368.6
12.5°	321.3	325.6	329.9	322.7	294.0	318.4	342.8	347.1	348.5	328.5	306.9
15°	276.8	278.3	279.7	289.7	348.5	372.9	397.3	401.6	405.9	384.4	361.4
17.5°	321.3	311.2	299.8	327.0	304.1	319.9	334.2	299.8	331.3	325.6	319.9
20°	327.0	292.6	256.7	305.5	357.1	381.5	404.5	407.3	408.8	391.6	372.9
22.5°	295.5	328.5	361.4	328.5	308.4	305.5	302.6	301.2	302.6	312.7	321.3
25°	380.1	338.5	296.9	372.9	420.3	431.7	443.2	437.5	434.6	413.1	391.6
27.5°	344.2	377.2	408.8	440.3	454.7	470.5	484.8	489.1	466.2	443.2	420.3
30°	456.1	476.2	494.8	559.4	606.7	621.1	635.4	621.1	612.5	583.8	553.6
32.5°	533.6	573.7	613.9	612.5	656.9	668.4	678.4	659.8	644.0	612.5	579.5
35°	628.2	654.1	679.9	694.2	738.7	743.0	747.3	722.9	699.9	662.7	625.4
37.5°	715.7	748.7	780.3	816.1	854.9	846.2	836.2	806.1	768.8	740.1	711.4
40°	824.7	864.9	905.1	951.0	973.9	961.0	946.7	900.8	864.9	834.8	804.7
42.5°	963.9	1006.9	1048.5	1088.7	1097.3	1082.9	1067.1	1016.9	962.4	932.3	900.8
45°	1127.4	1161.8	1196.2	1237.8	1255.0	1229.2	1202.0	1138.9	1074.3	1031.3	988.2
47.5°	1309.5	1325.3	1341.1	1412.8	1435.8	1392.7	1348.3	1279.4	1189.1	1133.1	1075.7
50°	1534.7	1530.4	1524.7	1587.8	1640.9	1569.1	1496.0	1415.7	1326.7	1247.9	1167.5
52.5°	1780.0	1738.4	1695.4	1780.0	1805.8	1719.8	1633.7	1547.6	1458.7	1356.9	1253.6
55°	1959.3	1936.3	1913.4	1973.6	1970.8	1870.4	1768.5	1666.7	1593.5	1457.3	1321.0
57.5°	2094.1	2114.2	2132.8	2193.1	2124.2	2009.5	1894.7	1792.9	1729.8	1559.1	1388.4
60°	2147.2	2250.5	2352.3	2388.1	2283.4	2154.4	2023.8	1923.4	1870.4	1663.8	1457.3
62.5°	2104.1	2332.2	2560.3	2567.4	2429.7	2284.9	2140.0	2058.3	2031.0	1777.1	1521.8
65°	1922.0	2297.8	2672.1	2698.0	2543.1	2391.0	2237.5	2177.3	2194.5	1883.3	1570.6
67.5°	1540.5	2088.4	2634.8	2719.5	2570.3	2409.7	2249.0	2227.5	2292.0	1934.9	1577.8
70°	870.6	1605.0	2337.9	2573.2	2494.3	2335.1	2174.4	2184.5	2280.6	1906.2	1531.9
72.5°	362.9	1110.2	1857.4	2226.1	2294.9	2160.1	2023.8	2061.1	2127.1	1771.4	1414.2
75°	200.8	708.6	1216.3	1706.8	1919.1	1883.3	1846.0	1887.6	1856.0	1511.8	1167.5
77.5°	149.2	383.0	616.8	1143.2	1444.4	1526.1	1606.4	1626.5	1450.1	1104.4	758.8
80°	111.9	182.2	251.0	583.8	774.5	920.8	1067.1	976.8	853.4	596.7	339.9
82.5°	77.5	104.7	132.0	187.9	301.2	347.1	391.6	372.9	279.7	196.5	111.9
85°	54.5	68.8	83.2	103.3	129.1	103.3	77.5	63.1	73.2	67.4	61.7
87.5°	14.3	14.3	12.9	14.3	10.0	8.6	7.2	5.7	5.7	5.7	5.7
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: P560475

CATALOG NUMBER: SDL-PA1-40-830-U-T2U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	555.1	555.1	555.1	555.1	555.1	555.1	555.1	555.1	555.1	555.1	555.1
2.5°	555.1	556.5	556.5	556.5	556.5	555.1	547.9	540.7	523.5	506.3	500.6
5°	530.7	512.1	497.7	483.4	483.4	483.4	486.2	489.1	490.5	492.0	493.4
7.5°	473.3	471.9	477.6	483.4	487.7	492.0	494.8	497.7	492.0	486.2	473.3
10°	370.1	370.1	377.2	383.0	393.0	403.0	431.7	460.4	484.8	509.2	513.5
12.5°	335.6	362.9	347.1	329.9	365.8	401.6	433.2	463.3	487.7	510.6	492.0
15°	337.1	311.2	317.0	322.7	361.4	400.2	371.5	341.4	398.7	454.7	467.6
17.5°	321.3	322.7	348.5	374.4	335.6	295.5	345.7	395.9	417.4	437.5	418.8
20°	329.9	285.4	315.6	345.7	372.9	398.7	372.9	345.7	352.8	360.0	408.8
22.5°	348.5	375.8	350.0	324.2	355.7	385.8	372.9	360.0	383.0	404.5	384.4
25°	347.1	301.2	344.2	387.3	358.6	328.5	344.2	360.0	348.5	335.6	372.9
27.5°	400.2	380.1	368.6	355.7	371.5	387.3	354.3	321.3	321.3	321.3	317.0
30°	500.6	447.5	424.6	400.2	361.4	322.7	311.2	299.8	301.2	302.6	324.2
32.5°	559.4	539.3	470.5	401.6	365.8	329.9	299.8	269.7	272.5	275.4	302.6
35°	611.0	595.2	503.4	410.2	351.4	291.2	265.3	238.1	251.0	262.5	285.4
37.5°	669.8	626.8	502.0	375.8	312.7	249.6	233.8	218.0	226.6	233.8	248.1
40°	722.9	639.7	489.1	337.1	274.0	209.4	202.2	193.6	200.8	208.0	216.6
42.5°	780.3	658.4	470.5	281.1	230.9	180.7	177.9	175.0	182.2	189.3	195.1
45°	824.7	661.2	446.1	229.5	196.5	163.5	163.5	162.1	169.2	175.0	177.9
47.5°	853.4	629.7	407.3	183.6	169.2	154.9	156.3	156.3	162.1	166.4	167.8
50°	873.5	578.0	370.1	162.1	154.9	147.7	147.7	147.7	153.5	157.8	160.6
52.5°	887.8	520.7	335.6	149.2	146.3	142.0	142.0	140.6	147.7	154.9	156.3
55°	892.1	461.9	301.2	139.1	136.3	133.4	136.3	137.7	146.3	153.5	154.9
57.5°	902.2	416.0	272.5	129.1	127.7	126.2	130.5	134.8	143.4	152.0	152.0
60°	922.3	385.8	252.4	119.0	119.0	119.0	126.2	132.0	140.6	149.2	147.7
62.5°	940.9	358.6	233.8	109.0	110.4	111.9	120.5	129.1	137.7	146.3	144.9
65°	943.8	315.6	208.0	100.4	103.3	104.7	114.7	124.8	133.4	142.0	139.1
67.5°	912.2	246.7	169.2	91.8	96.1	99.0	110.4	120.5	129.1	136.3	133.4
70°	854.9	176.4	130.5	84.6	88.9	91.8	103.3	113.3	120.5	127.7	124.8
72.5°	770.2	126.2	101.8	77.5	80.3	83.2	93.2	103.3	111.9	119.0	116.2
75°	635.4	101.8	86.1	70.3	73.2	74.6	84.6	93.2	101.8	109.0	104.7
77.5°	421.7	83.2	73.2	63.1	64.5	66.0	74.6	81.8	88.9	94.7	91.8
80°	203.7	67.4	61.7	54.5	55.9	55.9	63.1	70.3	76.0	80.3	78.9
82.5°	83.2	53.1	48.8	44.5	44.5	44.5	51.6	57.4	63.1	67.4	64.5
85°	51.6	41.6	38.7	34.4	33.0	31.6	34.4	37.3	40.2	41.6	40.2
87.5°	7.2	7.2	8.6	10.0	8.6	5.7	8.6	11.5	11.5	10.0	8.6
90°	0.0	0.0	4.3	4.3	2.9	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P560475

CATALOG NUMBER: SDL-PA1-40-830-U-T2U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	555.1	555.1	555.1	555.1
2.5°	494.8	494.8	494.8	497.7
5°	493.4	493.4	493.4	496.3
7.5°	460.4	446.1	431.7	433.2
10°	516.4	517.8	517.8	519.2
12.5°	471.9	448.9	426.0	428.9
15°	480.5	480.5	479.1	480.5
17.5°	400.2	393.0	385.8	385.8
20°	457.5	457.5	457.5	457.5
22.5°	364.3	362.9	361.4	362.9
25°	410.2	411.7	411.7	410.2
27.5°	312.7	331.3	348.5	350.0
30°	344.2	344.2	344.2	344.2
32.5°	329.9	344.2	358.6	360.0
35°	306.9	305.5	304.1	308.4
37.5°	261.0	258.2	255.3	255.3
40°	225.2	219.5	213.7	213.7
42.5°	199.4	195.1	189.3	187.9
45°	180.7	176.4	170.7	170.7
47.5°	167.8	164.9	162.1	160.6
50°	162.1	159.2	156.3	156.3
52.5°	157.8	156.3	153.5	153.5
55°	154.9	153.5	150.6	150.6
57.5°	152.0	150.6	147.7	147.7
60°	146.3	144.9	143.4	143.4
62.5°	142.0	140.6	139.1	139.1
65°	136.3	136.3	134.8	133.4
67.5°	129.1	129.1	129.1	126.2
70°	120.5	120.5	120.5	117.6
72.5°	111.9	111.9	110.4	106.1
75°	100.4	99.0	97.5	94.7
77.5°	88.9	86.1	83.2	81.8
80°	76.0	73.2	70.3	67.4
82.5°	60.2	58.8	55.9	48.8
85°	37.3	33.0	27.3	24.4
87.5°	7.2	5.7	4.3	1.4
90°	0.0	0.0	0.0	0.0

(END OF REPORT)