

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: P561084

Luminaire Tested: **SDL-PA1-80-740-U-T2R-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561084
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-19)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-80-740-U-T2R-A
Description: Springdale
(1) 70 CRI, 4000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE II R OPTICS
AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7649.1 lumens
Efficiency: N/A
Efficacy: 93.3 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 - U3 - G2

Input Watts (W): 82
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



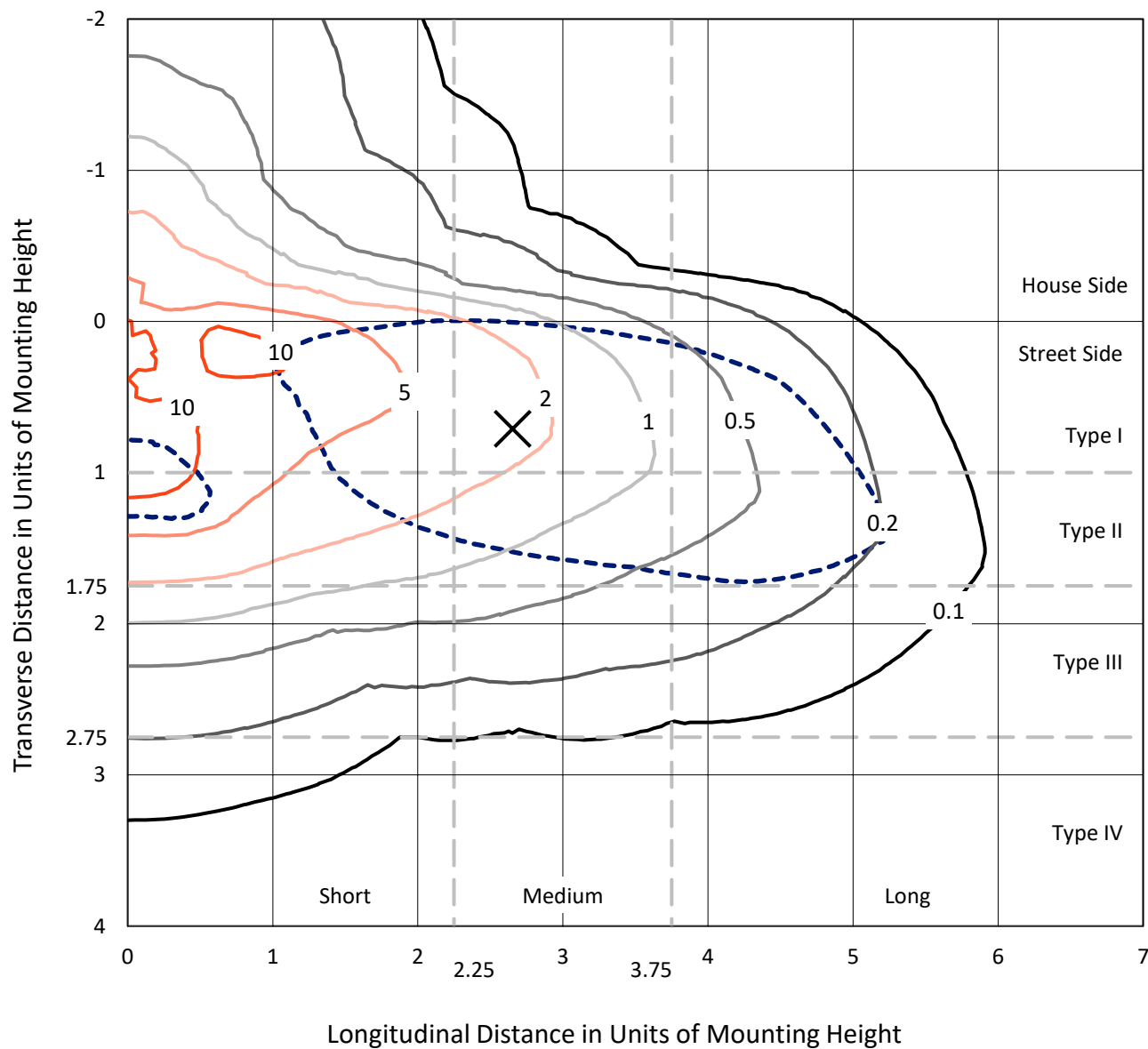
REPORT NUMBER: P561084

CATALOG NUMBER: SDL-PA1-80-740-U-T2R-A

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

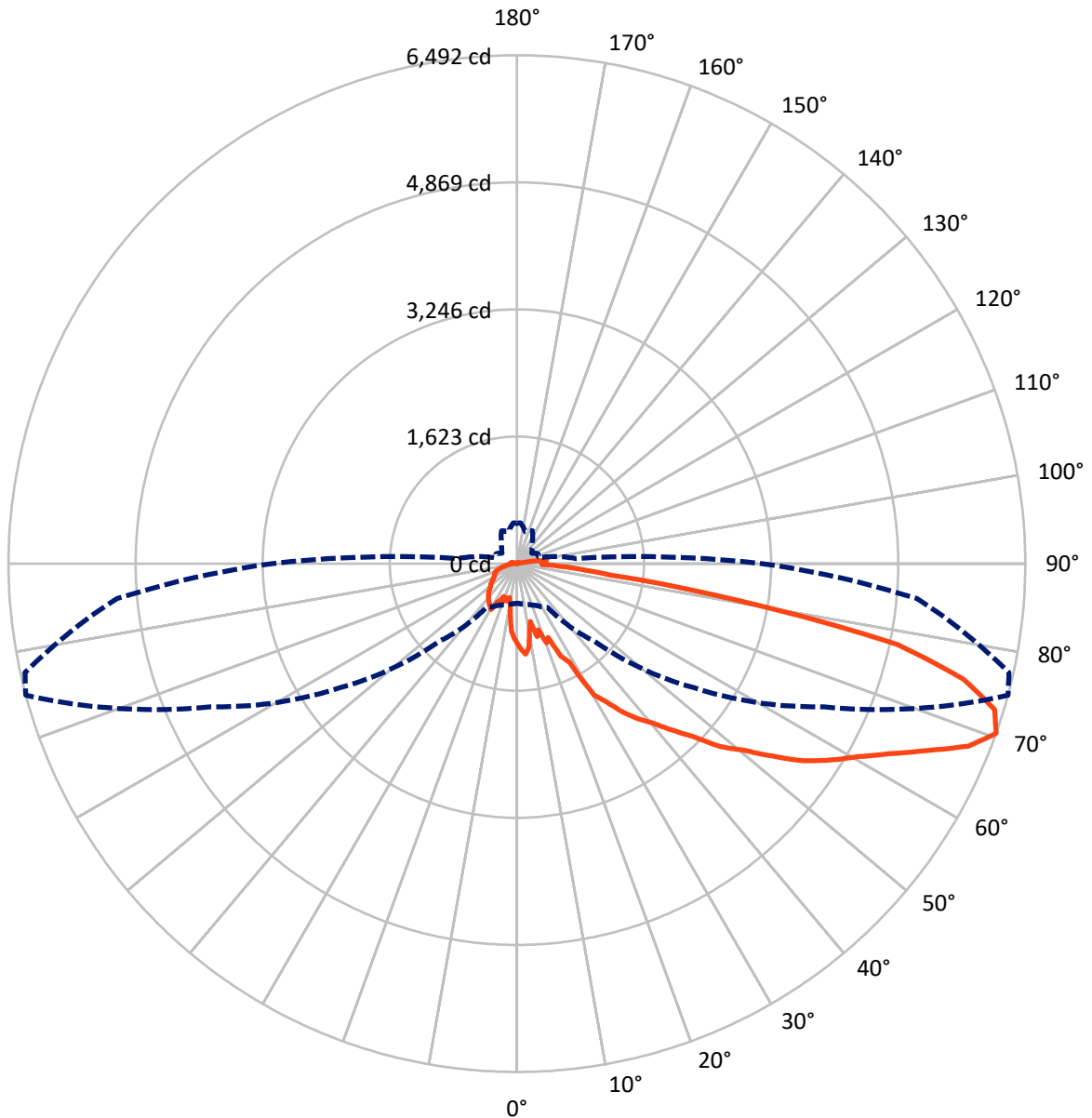


Based on 10 foot mounting height. Maximum calculated value = 15.9 fc
 Type II - Medium - N/A

REPORT NUMBER: P561084

CATALOG NUMBER: SDL-PA1-80-740-U-T2R-A

Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P561084

CATALOG NUMBER: SDL-PA1-80-740-U-T2R-A

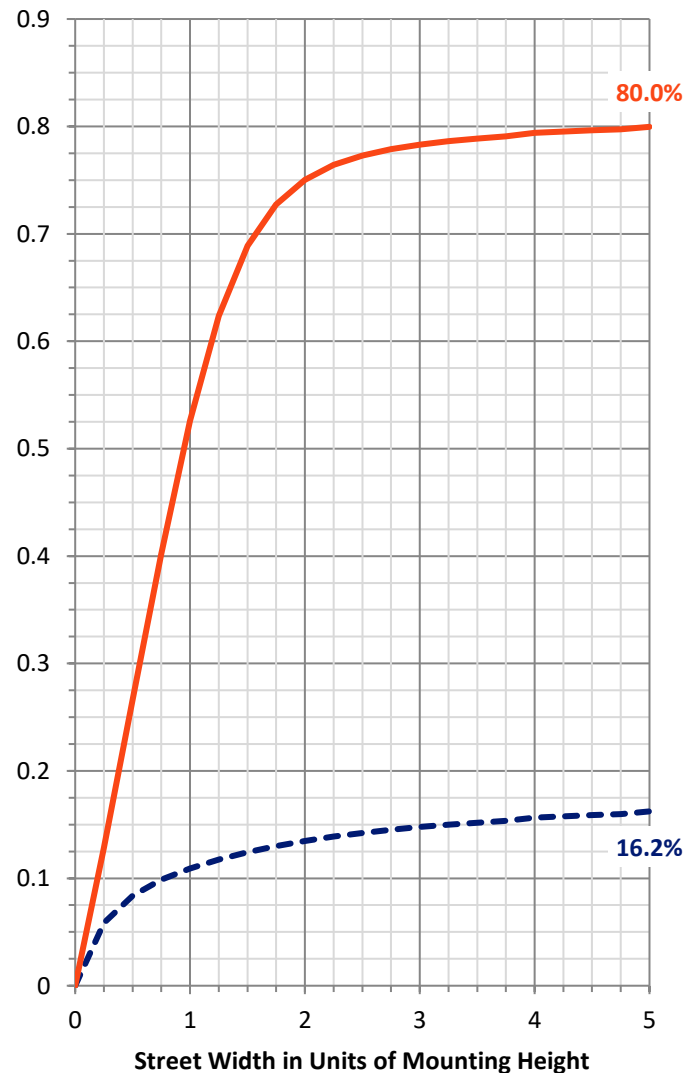
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1307.6	78.2	1385.8
	% Fixture	17.1	1.0	18.1
Street Side	Lumens	6164.3	99.0	6263.3
	% Fixture	80.6	1.3	81.9
Total	Lumens	7471.9	177.2	7649.1
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.4	1.1
10°-20°	223.1	2.9
20°-30°	402.8	5.3
30°-40°	823.0	10.8
40°-50°	1292.5	16.9
50°-60°	1587.1	20.7
60°-70°	1578.5	20.6
70°-80°	1167.5	15.3
80°-90°	311.9	4.1
90°-100°	115.3	1.5
100°-110°	27.0	0.4
110°-120°	12.8	0.2
120°-130°	11.4	0.1
130°-140°	5.5	0.1
140°-150°	2.7	0.0
150°-160°	2.4	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7471.9	97.7
0°-180°	7649.1	100.0



REPORT NUMBER: P561084

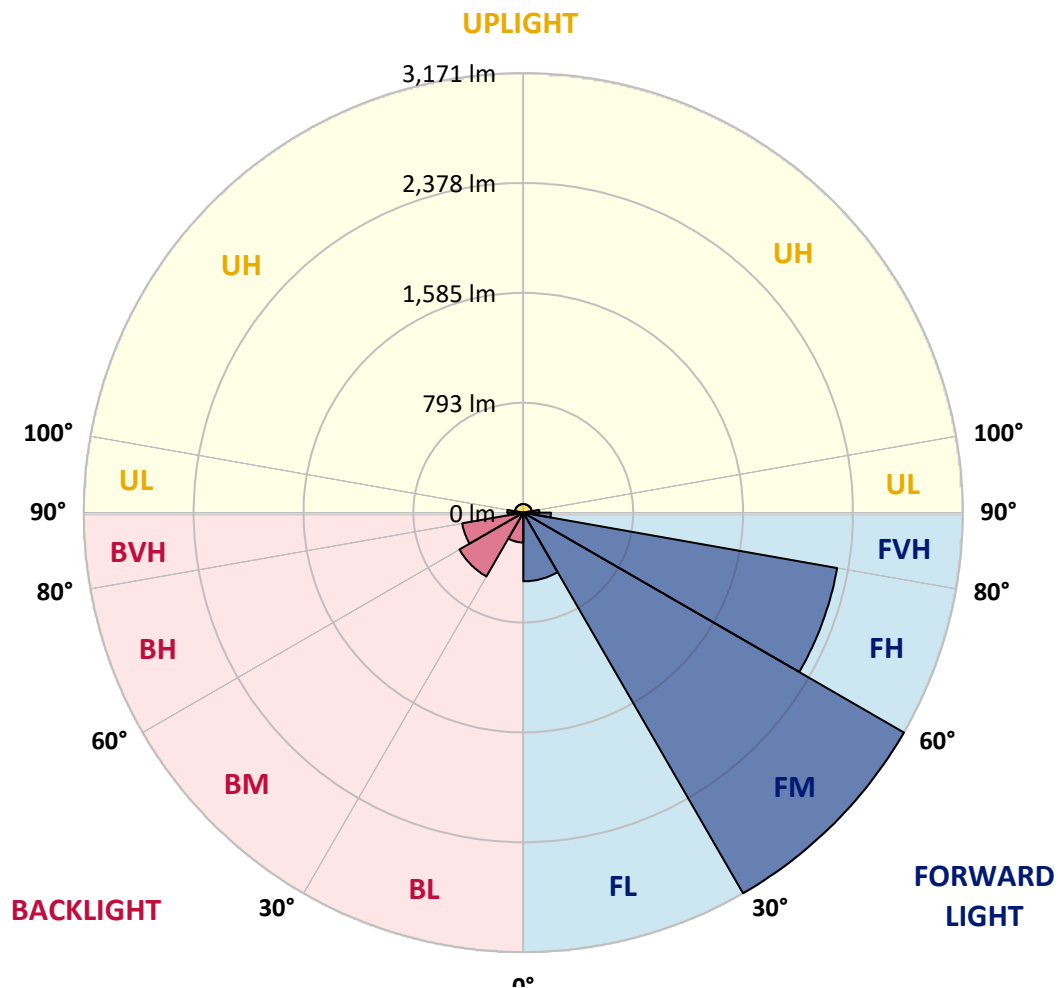
CATALOG NUMBER: SDL-PA1-80-740-U-T2R-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	495.8	6.5			
FM	(30°-60°)	3170.6	41.5			
FH	(60°-80°)	2298.7	30.1			G2/5000
FVH	(80°-90°)	199.1	2.6			G2/225
BL	(0°-30°)	215.5	2.8	B1/500		
BM	(30°-60°)	532.0	7.0	B1/1000		
BH	(60°-80°)	447.3	5.8	B1/500		G1/500
BVH	(80°-90°)	112.8	1.5			G2/225
UL	(90°-100°)	115.3	1.5		U3/500	
UH	(100°-180°)	61.9	0.8		U3/500	

BUG Rating: B1-U3-G2

Type II Medium





REPORT NUMBER: P561084

CATALOG NUMBER: SDL-PA1-80-740-U-T2R-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	1025.3	1025.3	1025.3	1025.3	1025.3	1025.3	1025.3	1025.3	1025.3	1025.3	1025.3
2.5°	1064.1	1123.9	1150.8	1180.7	1207.6	1192.7	1168.7	1132.9	1100.0	1088.0	1052.2
5°	1174.7	1168.7	1165.8	1156.8	1141.8	1114.9	1082.1	1210.6	1159.8	1138.9	1079.1
7.5°	1034.2	1198.6	1216.6	1234.5	1228.5	1195.6	1153.8	1037.2	1082.1	1055.2	980.4
10°	1264.4	1264.4	1258.4	1264.4	1195.6	1141.8	977.4	908.7	875.8	947.5	878.8
12.5°	1076.1	1171.7	1291.3	1315.2	1210.6	1061.1	992.4	959.5	756.2	747.3	801.1
15°	1252.4	1267.4	1270.4	1276.4	1031.2	1112.0	917.7	851.9	965.5	938.6	947.5
17.5°	1007.3	1022.3	1216.6	1204.6	1109.0	887.8	1073.1	962.5	887.8	854.9	842.9
20°	1267.4	1270.4	1261.4	1019.3	1070.1	1159.8	1004.3	974.5	1082.1	1079.1	1034.2
22.5°	1079.1	1082.1	1114.9	1228.5	1106.0	1171.7	1010.3	1216.6	1025.3	1028.3	798.1
25°	1443.7	1446.7	1416.8	1094.0	1243.5	1100.0	1225.5	1094.0	1309.2	1267.4	1168.7
27.5°	1515.5	1404.9	1291.3	1357.1	1186.7	1366.0	1165.8	1324.2	1422.8	1413.9	1428.8
30°	1922.0	1928.0	1850.3	1485.6	1389.9	1348.1	1345.1	1572.3	1948.9	1963.8	1715.8
32.5°	2603.5	2567.6	2185.0	1832.3	1497.5	1644.0	1509.5	1820.4	2107.3	2098.4	1838.3
35°	2914.4	2878.5	2735.0	2262.8	1730.7	1775.5	1703.8	1936.9	2325.5	2256.8	1960.9
37.5°	3177.4	3171.5	3051.9	2492.9	1966.8	2032.6	1820.4	2080.4	2513.8	2442.1	2086.4
40°	3404.6	3383.7	3279.1	2699.2	2209.0	2211.9	1966.8	2253.8	2681.2	2699.2	2209.0
42.5°	3592.9	3575.0	3488.3	2905.4	2352.4	2370.4	2122.3	2430.2	2905.4	2938.3	2400.3
45°	3670.6	3679.6	3619.8	3090.7	2481.0	2513.8	2307.6	2609.5	3144.5	3171.5	2570.6
47.5°	3727.4	3730.4	3715.5	3243.2	2618.5	2633.4	2489.9	2770.9	3491.3	3437.5	2770.9
50°	3598.9	3586.9	3601.9	3359.8	2738.0	2756.0	2642.4	2938.3	3739.4	3670.6	2980.1
52.5°	3261.1	3276.1	3431.5	3300.0	2776.9	2812.8	2785.9	3084.8	4083.1	4029.3	3279.1
55°	2412.2	2478.0	2926.3	3054.9	2773.9	2836.7	2917.4	3362.8	4444.8	4364.1	3533.1
57.5°	1951.9	1951.9	2214.9	2636.4	2621.5	2821.7	3051.9	3551.1	4731.8	4675.0	3787.2
60°	1566.3	1566.3	1709.8	2092.4	2325.5	2747.0	3189.4	3829.1	5003.8	4970.9	4011.4
62.5°	1228.5	1225.5	1345.1	1560.3	1907.1	2582.6	3261.1	4068.2	5344.5	5338.6	4370.1
65°	887.8	899.7	1001.4	1135.9	1497.5	2274.7	3258.1	4283.4	5754.0	5772.0	4773.6
67.5°	657.6	663.6	720.4	819.0	1028.3	1886.1	3114.7	4432.9	6217.4	6187.5	5030.7
70°	505.2	514.1	538.0	588.9	684.5	1401.9	2767.9	4328.2	6492.4	6435.6	5126.3
72.5°	424.5	427.4	424.5	451.4	457.3	950.5	2217.9	3930.7	6378.8	6289.1	4863.3
75°	361.7	358.7	355.7	361.7	337.8	627.7	1590.2	3326.9	5888.6	5733.1	4295.4
77.5°	310.9	307.9	295.9	298.9	269.0	463.3	1085.0	2609.5	4961.9	4597.3	3228.2
80°	257.1	257.1	248.1	248.1	227.2	352.7	693.5	1799.4	2890.5	2600.5	1679.9
82.5°	200.3	197.3	197.3	203.3	194.3	275.0	454.3	896.7	1192.7	1117.9	786.1
85°	107.6	107.6	122.6	137.5	134.5	167.4	346.7	529.1	705.4	681.5	439.4
87.5°	32.9	32.9	35.9	44.8	47.8	89.7	218.2	257.1	319.8	352.7	346.7
90°	35.9	32.9	23.9	26.9	29.9	65.8	203.3	248.1	322.8	358.7	367.7
92.5°	41.8	38.9	23.9	23.9	29.9	53.8	194.3	242.1	352.7	388.6	397.6
95°	44.8	41.8	23.9	23.9	29.9	47.8	173.4	239.1	376.6	424.5	424.5
97.5°	41.8	38.9	17.9	20.9	26.9	41.8	134.5	197.3	263.0	289.9	334.8
100°	35.9	35.9	12.0	17.9	23.9	29.9	77.7	107.6	77.7	74.7	74.7
102.5°	32.9	32.9	12.0	14.9	17.9	20.9	35.9	56.8	17.9	20.9	26.9
105°	32.9	35.9	9.0	12.0	12.0	12.0	17.9	29.9	14.9	17.9	26.9
107.5°	32.9	35.9	9.0	9.0	12.0	9.0	9.0	12.0	14.9	17.9	29.9



REPORT NUMBER: P561084

CATALOG NUMBER: SDL-PA1-80-740-U-T2R-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	20.9	20.9	6.0	9.0	9.0	9.0	6.0	9.0	14.9	20.9	29.9
115°	14.9	12.0	6.0	9.0	6.0	9.0	6.0	9.0	14.9	20.9	26.9
117.5°	12.0	9.0	6.0	6.0	6.0	6.0	3.0	9.0	17.9	23.9	32.9
120°	12.0	12.0	6.0	6.0	6.0	6.0	3.0	9.0	26.9	29.9	41.8
122.5°	12.0	12.0	6.0	6.0	6.0	6.0	3.0	6.0	23.9	32.9	44.8
125°	12.0	12.0	6.0	6.0	6.0	6.0	3.0	6.0	20.9	29.9	38.9
127.5°	12.0	12.0	6.0	3.0	6.0	6.0	6.0	6.0	17.9	23.9	32.9
130°	12.0	12.0	6.0	3.0	6.0	6.0	6.0	6.0	14.9	17.9	26.9
132.5°	9.0	9.0	6.0	3.0	6.0	3.0	3.0	6.0	12.0	14.9	20.9
135°	6.0	6.0	6.0	3.0	6.0	3.0	3.0	3.0	6.0	9.0	14.9
137.5°	3.0	6.0	3.0	3.0	6.0	3.0	3.0	3.0	3.0	3.0	6.0
140°	3.0	3.0	3.0	3.0	6.0	3.0	3.0	3.0	3.0	3.0	3.0
142.5°	3.0	3.0	3.0	3.0	6.0	6.0	3.0	3.0	3.0	3.0	3.0
145°	3.0	3.0	3.0	3.0	9.0	6.0	3.0	3.0	3.0	3.0	3.0
147.5°	3.0	3.0	3.0	12.0	9.0	6.0	3.0	3.0	3.0	3.0	3.0
150°	14.9	14.9	14.9	12.0	9.0	6.0	9.0	3.0	3.0	3.0	3.0
152.5°	14.9	14.9	17.9	9.0	6.0	3.0	3.0	12.0	9.0	6.0	6.0
155°	12.0	9.0	9.0	3.0	3.0	3.0	3.0	3.0	9.0	12.0	12.0
157.5°	3.0	3.0	6.0	3.0	3.0	3.0	3.0	3.0	6.0	3.0	3.0
160°	0.0	0.0	0.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P561084

CATALOG NUMBER: SDL-PA1-80-740-U-T2R-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1025.3	1025.3	1025.3	1025.3	1025.3	1025.3	1025.3	1025.3	1025.3	1025.3	1025.3
2.5°	1031.2	1007.3	950.5	908.7	857.9	813.0	774.2	687.5	672.6	663.6	660.6
5°	1031.2	980.4	869.8	735.3	630.7	606.8	594.8	594.8	588.9	591.8	594.8
7.5°	914.7	845.9	678.5	573.9	591.8	591.8	594.8	579.9	532.1	538.0	529.1
10°	801.1	714.4	511.1	466.3	511.1	514.1	582.9	609.8	618.7	621.7	621.7
12.5°	738.3	615.8	442.4	457.3	412.5	472.3	556.0	621.7	564.9	535.1	535.1
15°	848.9	729.3	496.2	400.5	406.5	472.3	421.5	588.9	609.8	615.8	615.8
17.5°	762.2	642.7	454.3	412.5	454.3	388.6	475.3	541.0	517.1	490.2	487.2
20°	914.7	759.2	508.1	403.5	400.5	460.3	421.5	442.4	553.0	556.0	553.0
22.5°	711.4	606.8	451.4	457.3	400.5	439.4	415.5	457.3	436.4	433.4	436.4
25°	986.4	786.1	520.1	394.6	418.5	388.6	418.5	385.6	463.3	469.3	472.3
27.5°	1207.6	938.6	553.0	427.4	364.7	397.6	373.6	385.6	358.7	373.6	379.6
30°	1437.8	1094.0	675.5	472.3	385.6	340.8	346.7	343.7	388.6	385.6	379.6
32.5°	1512.5	1114.9	645.6	493.2	382.6	343.7	316.8	337.8	370.7	397.6	400.5
35°	1587.2	1129.9	621.7	472.3	373.6	322.8	310.9	346.7	373.6	376.6	385.6
37.5°	1673.9	1141.8	597.8	442.4	346.7	316.8	307.9	322.8	382.6	376.6	367.7
40°	1754.6	1147.8	567.9	415.5	316.8	310.9	287.0	322.8	337.8	349.7	355.7
42.5°	1898.1	1183.7	544.0	391.6	295.9	295.9	275.0	301.9	346.7	352.7	349.7
45°	2002.7	1171.7	511.1	370.7	275.0	263.0	269.0	328.8	349.7	385.6	379.6
47.5°	2152.2	1201.6	472.3	337.8	257.1	242.1	254.1	319.8	358.7	385.6	391.6
50°	2298.6	1195.6	439.4	310.9	245.1	230.2	281.0	310.9	352.7	397.6	397.6
52.5°	2489.9	1204.6	424.5	287.0	230.2	230.2	289.9	313.9	361.7	391.6	391.6
55°	2660.3	1171.7	388.6	278.0	227.2	221.2	292.9	325.8	364.7	391.6	394.6
57.5°	2785.9	1106.0	361.7	269.0	224.2	227.2	292.9	352.7	340.8	391.6	400.5
60°	2923.4	1034.2	337.8	269.0	224.2	236.1	301.9	373.6	373.6	409.5	409.5
62.5°	3111.7	989.4	325.8	272.0	218.2	245.1	328.8	406.5	376.6	433.4	436.4
65°	3270.1	929.6	316.8	284.0	221.2	257.1	343.7	433.4	394.6	460.3	457.3
67.5°	3273.1	839.9	304.9	295.9	224.2	266.0	343.7	451.4	415.5	484.2	475.3
70°	3129.6	750.3	287.0	295.9	233.2	275.0	343.7	463.3	418.5	523.1	514.1
72.5°	2821.7	612.8	260.1	284.0	248.1	287.0	361.7	460.3	418.5	564.9	556.0
75°	2400.3	490.2	224.2	260.1	248.1	301.9	373.6	457.3	403.5	538.0	520.1
77.5°	1826.3	400.5	188.3	227.2	236.1	307.9	373.6	451.4	391.6	502.2	490.2
80°	941.6	281.0	152.4	194.3	221.2	301.9	370.7	427.4	349.7	445.4	439.4
82.5°	517.1	206.2	122.6	143.5	185.3	284.0	358.7	385.6	307.9	364.7	349.7
85°	334.8	149.5	98.6	116.6	155.4	236.1	301.9	304.9	218.2	263.0	248.1
87.5°	251.1	86.7	62.8	71.7	107.6	131.5	191.3	197.3	137.5	161.4	152.4
90°	263.0	86.7	65.8	74.7	95.7	98.6	140.5	149.5	107.6	122.6	122.6
92.5°	281.0	86.7	68.7	77.7	86.7	77.7	110.6	122.6	89.7	98.6	95.7
95°	287.0	83.7	74.7	80.7	77.7	62.8	89.7	98.6	74.7	74.7	74.7
97.5°	209.2	59.8	74.7	80.7	71.7	50.8	68.7	77.7	47.8	38.9	38.9
100°	56.8	29.9	71.7	77.7	62.8	41.8	59.8	59.8	29.9	20.9	20.9
102.5°	23.9	23.9	62.8	68.7	47.8	26.9	41.8	41.8	20.9	9.0	9.0
105°	23.9	17.9	44.8	50.8	32.9	14.9	20.9	23.9	14.9	9.0	9.0
107.5°	23.9	17.9	20.9	26.9	14.9	12.0	12.0	12.0	9.0	9.0	9.0



REPORT NUMBER: P561084

CATALOG NUMBER: SDL-PA1-80-740-U-T2R-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	29.9	20.9	12.0	14.9	12.0	9.0	9.0	9.0	12.0	26.9	26.9
115°	26.9	17.9	12.0	12.0	9.0	9.0	6.0	6.0	12.0	32.9	32.9
117.5°	29.9	20.9	12.0	12.0	9.0	6.0	6.0	6.0	14.9	38.9	38.9
120°	35.9	23.9	12.0	9.0	6.0	6.0	6.0	6.0	17.9	41.8	41.8
122.5°	38.9	26.9	12.0	9.0	6.0	3.0	6.0	9.0	20.9	41.8	41.8
125°	32.9	23.9	12.0	9.0	6.0	3.0	6.0	9.0	20.9	38.9	41.8
127.5°	29.9	20.9	12.0	6.0	6.0	3.0	3.0	9.0	17.9	29.9	35.9
130°	23.9	17.9	9.0	6.0	6.0	3.0	3.0	6.0	17.9	26.9	32.9
132.5°	20.9	14.9	9.0	6.0	6.0	3.0	3.0	6.0	17.9	23.9	23.9
135°	14.9	12.0	6.0	6.0	6.0	3.0	6.0	3.0	12.0	20.9	20.9
137.5°	9.0	6.0	6.0	6.0	6.0	3.0	3.0	3.0	9.0	12.0	12.0
140°	3.0	3.0	6.0	6.0	6.0	3.0	3.0	3.0	6.0	6.0	6.0
142.5°	3.0	3.0	6.0	6.0	6.0	3.0	3.0	3.0	6.0	6.0	6.0
145°	3.0	3.0	3.0	6.0	6.0	3.0	3.0	3.0	3.0	3.0	6.0
147.5°	3.0	3.0	3.0	6.0	3.0	3.0	3.0	3.0	3.0	3.0	6.0
150°	3.0	3.0	3.0	6.0	6.0	3.0	3.0	6.0	6.0	6.0	6.0
152.5°	3.0	3.0	6.0	6.0	3.0	3.0	3.0	6.0	6.0	6.0	6.0
155°	9.0	9.0	6.0	6.0	3.0	3.0	0.0	3.0	6.0	6.0	6.0
157.5°	3.0	3.0	6.0	3.0	3.0	3.0	0.0	3.0	3.0	3.0	3.0
160°	3.0	3.0	3.0	3.0	3.0	3.0	0.0	3.0	3.0	3.0	3.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



Report Generated By 670245982



--- HS --- SS



u



110°	29.9	29.9	6.0	9.0	9.0	9.0	6.0	9.0	14.9	20.9	29.9
------	------	------	-----	-----	-----	-----	-----	-----	------	------	------



110°	26.9	17.9	12.0	14.9	12.0	9.0	9.0	9.0	9.0	12.0	14.9
------	------	------	------	------	------	-----	-----	-----	-----	------	------



(END OF REPORT)