

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: P561088

Luminaire Tested: **SDL-PA1-80-740-U-T2U-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561088
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-7)
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-T2U-A
Description: Springdale
(1) 70 CRI, 4000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8868.1 lumens
Efficiency: N/A
Efficacy: 108.1 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: B3 - U3 - G3

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



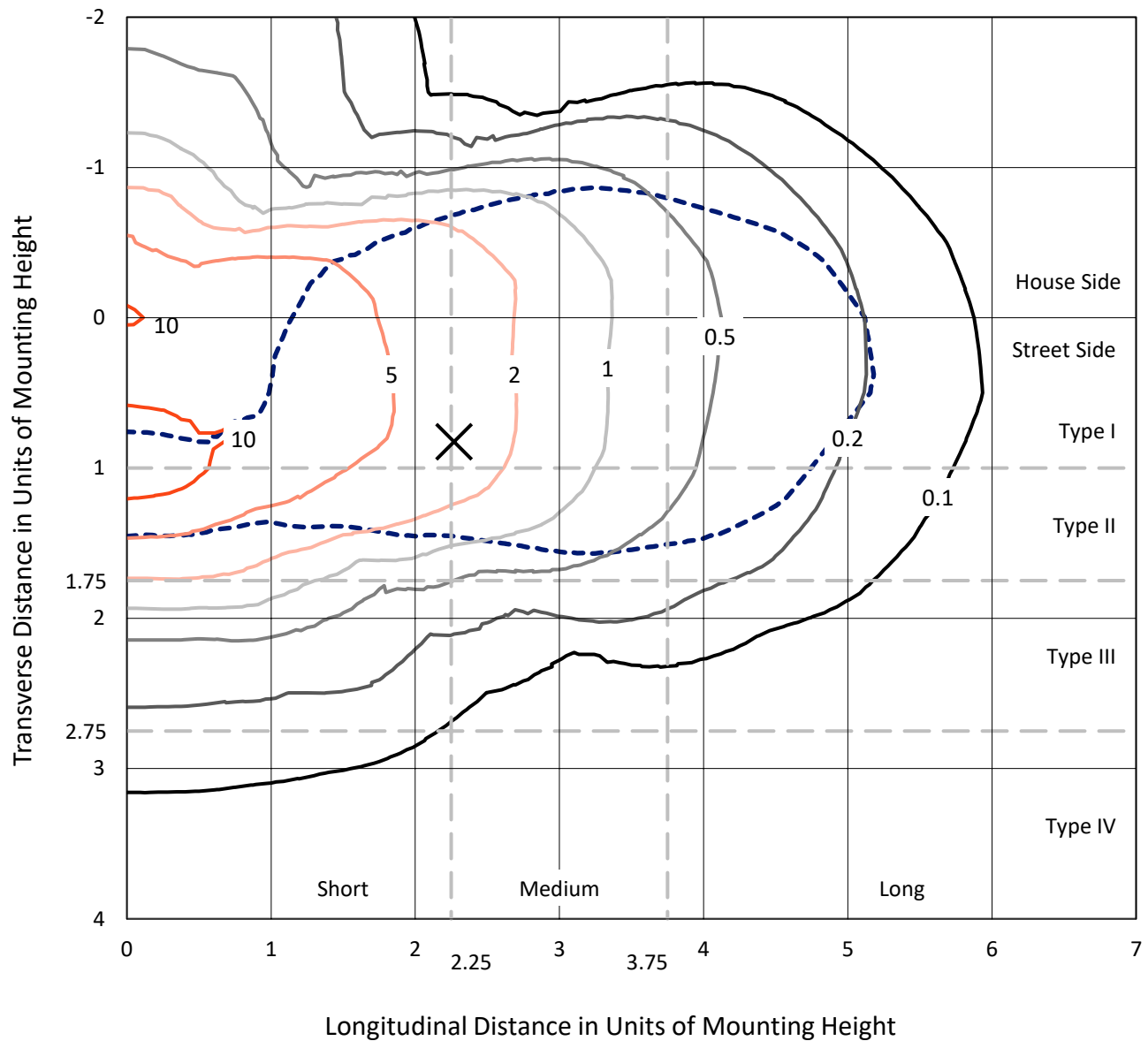
REPORT NUMBER: P561088

CATALOG NUMBER: SDL-PA1-80-740-U-T2U-A

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

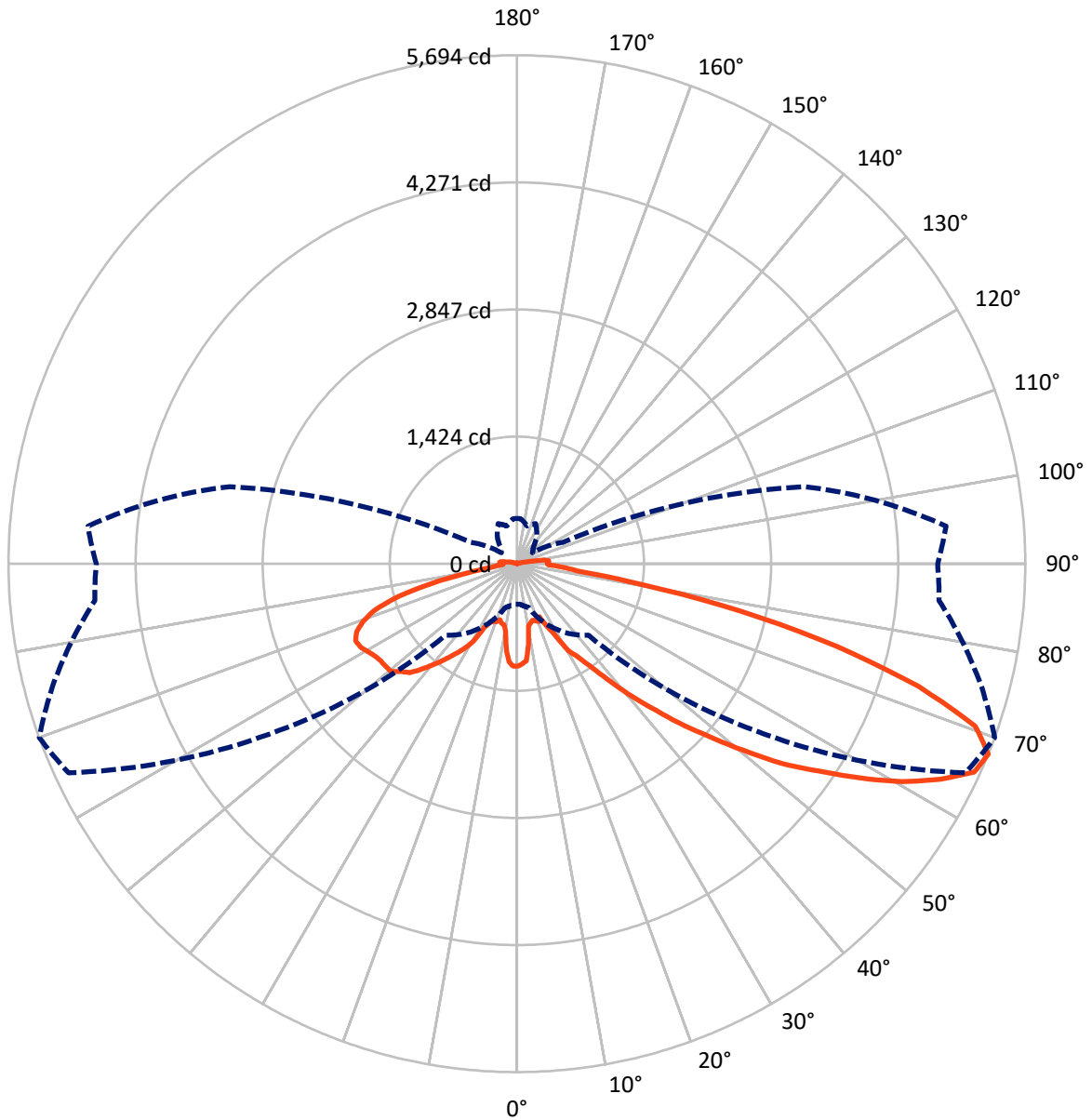


Based on 10 foot mounting height. Maximum calculated value = 14.8 fc
 Type II - Medium - N/A

REPORT NUMBER: P561088

CATALOG NUMBER: SDL-PA1-80-740-U-T2U-A

Luminous Intensity Polar Plot



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

REPORT NUMBER: P561088

CATALOG NUMBER: SDL-PA1-80-740-U-T2U-A

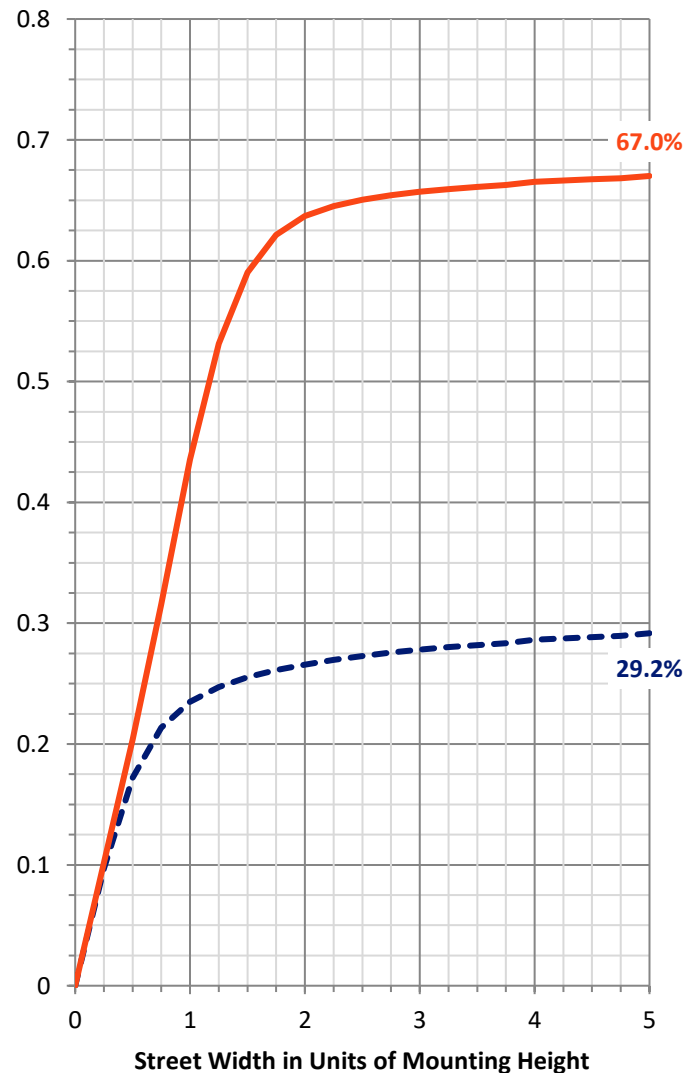
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2667.3	104.6	2771.9
	% Fixture	30.1	1.2	31.3
Street Side	Lumens	5995.0	101.2	6096.1
	% Fixture	67.6	1.1	68.7
Total	Lumens	8662.3	205.8	8868.1
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.0	1.0
10°-20°	212.7	2.4
20°-30°	377.4	4.3
30°-40°	795.3	9.0
40°-50°	1486.8	16.8
50°-60°	2059.2	23.2
60°-70°	1985.6	22.4
70°-80°	1305.4	14.7
80°-90°	347.9	3.9
90°-100°	142.7	1.6
100°-110°	31.2	0.4
110°-120°	13.5	0.2
120°-130°	9.7	0.1
130°-140°	4.4	0.0
140°-150°	2.3	0.0
150°-160°	2.0	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	8662.3	97.7
0°-180°	8868.1	100.0



REPORT NUMBER: P561088

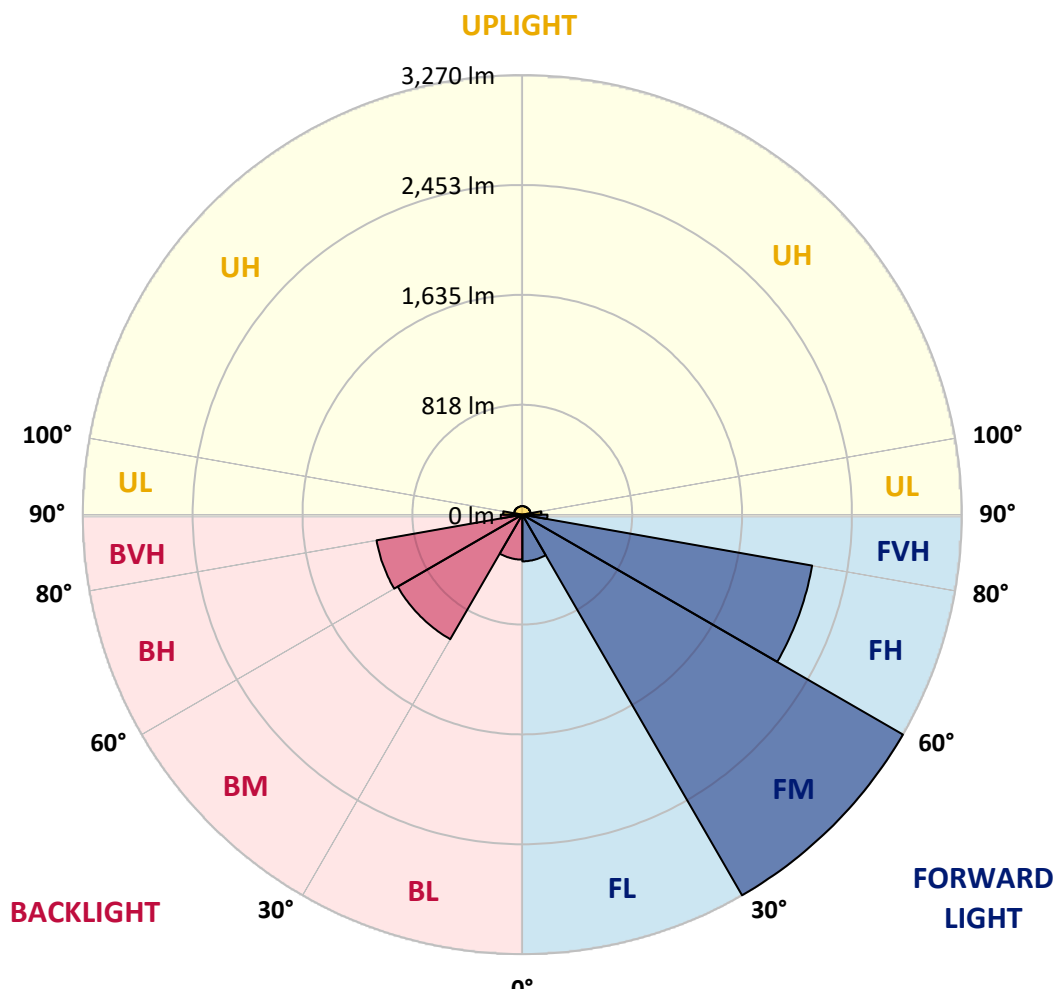
CATALOG NUMBER: SDL-PA1-80-740-U-T2U-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	347.5	3.9			
FM	(30°-60°)	3270.4	36.9			
FH	(60°-80°)	2189.9	24.7			G2/5000
FVH	(80°-90°)	187.2	2.1			G2/225
BL	(0°-30°)	334.6	3.8	B1/500		
BM	(30°-60°)	1070.9	12.1	B2/2500		
BH	(60°-80°)	1101.1	12.4	B3/2500		G3/2500
BVH	(80°-90°)	160.7	1.8			G2/225
UL	(90°-100°)	142.7	1.6		U3/500	
UH	(100°-180°)	63.1	0.7		U3/500	

BUG Rating: B3-U3-G3

Type II Medium



REPORT NUMBER: P561088

CATALOG NUMBER: SDL-PA1-80-740-U-T2U-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	1147.7	1147.7	1147.7	1147.7	1147.7	1147.7	1147.7	1147.7	1147.7	1147.7	1147.7
2.5°	958.1	1035.9	1012.2	1086.7	1103.7	1120.6	1124.0	1127.4	1124.0	1127.4	1134.1
5°	903.9	907.3	910.7	917.5	917.5	924.2	937.8	1080.0	1093.5	1103.7	1117.2
7.5°	755.0	788.8	853.1	876.8	887.0	900.5	907.3	907.3	920.8	954.7	978.4
10°	839.6	832.8	836.2	839.6	792.2	782.0	710.9	700.8	710.9	734.6	846.4
12.5°	704.2	738.0	809.1	826.1	768.5	680.5	670.3	683.9	680.5	612.8	717.7
15°	815.9	812.5	805.7	792.2	643.2	673.7	578.9	585.7	656.8	704.2	802.4
17.5°	710.9	707.6	802.4	775.3	677.1	524.7	660.2	612.8	670.3	619.5	663.5
20°	883.6	880.2	870.1	646.6	690.6	697.4	639.9	592.5	690.6	714.3	805.7
22.5°	802.4	802.4	866.7	849.7	700.8	738.0	609.4	721.1	646.6	656.8	609.4
25°	1103.7	1093.5	1080.0	788.8	843.0	677.1	755.0	663.5	771.9	836.2	876.8
27.5°	1069.8	1049.5	1035.9	1046.1	846.4	887.0	748.2	826.1	890.4	917.5	1022.4
30°	1503.1	1476.1	1435.4	1096.9	1052.9	907.3	903.9	1022.4	1127.4	1212.0	1269.5
32.5°	1916.2	1922.9	1713.0	1472.7	1164.6	1212.0	1076.6	1198.4	1232.3	1320.3	1354.2
35°	2457.8	2390.1	2258.1	1838.3	1418.5	1371.1	1252.6	1367.7	1401.6	1486.2	1506.5
37.5°	2884.4	2887.8	2684.7	2210.7	1699.5	1658.9	1452.4	1570.8	1631.8	1726.6	1692.7
40°	3294.0	3311.0	3148.5	2593.3	2055.0	1943.2	1692.7	1831.5	1916.2	1973.7	1916.2
42.5°	3659.7	3656.3	3544.6	3016.4	2386.7	2322.4	1946.6	2126.1	2200.5	2254.7	2210.7
45°	3947.4	3937.3	3835.7	3361.8	2779.5	2867.5	2278.4	2464.6	2542.5	2603.4	2495.1
47.5°	4045.6	3991.4	3947.4	3612.3	3145.1	3348.2	2688.0	2793.0	2884.4	2989.4	2813.3
50°	3940.7	3869.6	3886.5	3730.8	3453.2	3751.1	3128.2	3172.2	3283.9	3375.3	3114.6
52.5°	3503.9	3487.0	3581.8	3612.3	3585.2	4059.2	3622.4	3497.2	3717.2	3727.4	3426.1
55°	2928.4	2908.1	3131.5	3256.8	3459.9	4181.0	4042.2	3954.2	4096.4	4079.5	3703.7
57.5°	2359.7	2346.1	2549.2	2755.8	3107.8	4113.3	4336.8	4455.3	4526.3	4431.6	3961.0
60°	1581.0	1608.1	1956.8	2234.4	2542.5	3707.1	4448.5	4922.4	4956.3	4753.2	4231.8
62.5°	1008.9	1046.1	1269.5	1723.2	1899.2	3009.7	4367.2	5338.9	5318.5	5044.3	4482.3
65°	646.6	660.2	768.5	1168.0	1361.0	1994.0	4005.0	5623.2	5626.6	5305.0	4682.1
67.5°	453.7	457.0	507.8	727.9	941.2	1134.1	3256.8	5542.0	5694.3	5393.0	4746.4
70°	406.3	409.6	423.2	494.3	714.3	704.2	1973.7	4952.9	5443.8	5277.9	4648.2
72.5°	362.2	365.6	389.3	430.0	548.4	551.8	944.5	3944.1	4705.8	4868.3	4357.1
75°	301.3	308.1	335.2	402.9	423.2	463.8	633.1	2772.7	3703.7	4194.6	4011.8
77.5°	253.9	257.3	277.6	341.9	369.0	375.8	541.7	1537.0	2559.4	3087.5	3534.4
80°	203.1	203.1	220.1	270.8	304.7	308.1	484.1	812.5	1418.5	1868.8	2457.8
82.5°	132.0	135.4	155.7	203.1	226.8	304.7	430.0	592.5	694.0	900.5	1117.2
85°	84.6	84.6	98.2	115.1	135.4	233.6	379.2	490.9	518.0	565.4	507.8
87.5°	40.6	40.6	37.2	44.0	50.8	88.0	264.1	348.7	352.1	345.3	372.4
90°	33.9	33.9	27.1	30.5	33.9	47.4	199.7	341.9	338.5	352.1	385.9
92.5°	37.2	37.2	27.1	30.5	33.9	40.6	145.6	345.3	355.5	372.4	409.6
95°	40.6	40.6	27.1	27.1	30.5	37.2	91.4	297.9	358.9	375.8	423.2
97.5°	37.2	37.2	20.3	23.7	27.1	33.9	57.6	223.4	281.0	294.5	335.2
100°	33.9	33.9	16.9	20.3	23.7	27.1	37.2	115.1	121.9	91.4	128.6
102.5°	30.5	33.9	13.5	16.9	16.9	16.9	23.7	54.2	54.2	30.5	33.9
105°	30.5	33.9	13.5	13.5	10.2	13.5	13.5	20.3	23.7	16.9	27.1
107.5°	33.9	33.9	13.5	13.5	10.2	10.2	10.2	13.5	16.9	13.5	27.1



REPORT NUMBER: P561088

CATALOG NUMBER: SDL-PA1-80-740-U-T2U-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	20.3	20.3	10.2	13.5	6.8	6.8	6.8	10.2	13.5	16.9	37.2
115°	16.9	13.5	6.8	10.2	6.8	6.8	6.8	10.2	10.2	13.5	30.5
117.5°	16.9	13.5	6.8	6.8	3.4	6.8	6.8	10.2	10.2	13.5	27.1
120°	16.9	16.9	6.8	3.4	3.4	3.4	3.4	6.8	10.2	16.9	30.5
122.5°	20.3	16.9	6.8	6.8	3.4	3.4	3.4	6.8	10.2	16.9	30.5
125°	20.3	20.3	10.2	6.8	3.4	3.4	3.4	6.8	10.2	13.5	27.1
127.5°	20.3	16.9	10.2	6.8	3.4	3.4	3.4	3.4	6.8	10.2	23.7
130°	16.9	16.9	10.2	3.4	3.4	3.4	3.4	3.4	6.8	6.8	16.9
132.5°	13.5	13.5	10.2	3.4	3.4	3.4	3.4	3.4	3.4	6.8	13.5
135°	10.2	10.2	6.8	3.4	3.4	3.4	3.4	3.4	3.4	3.4	10.2
137.5°	6.8	6.8	6.8	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
140°	0.0	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
142.5°	0.0	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
145°	0.0	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
147.5°	3.4	3.4	3.4	6.8	6.8	3.4	3.4	3.4	3.4	3.4	3.4
150°	6.8	6.8	13.5	10.2	6.8	3.4	6.8	3.4	3.4	3.4	3.4
152.5°	10.2	10.2	13.5	10.2	3.4	3.4	3.4	6.8	3.4	3.4	3.4
155°	6.8	6.8	6.8	3.4	3.4	3.4	3.4	3.4	6.8	6.8	10.2
157.5°	0.0	0.0	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0
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: P561088

CATALOG NUMBER: SDL-PA1-80-740-U-T2U-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1147.7	1147.7	1147.7	1147.7	1147.7	1147.7	1147.7	1147.7	1147.7	1147.7	1147.7
2.5°	1137.5	1137.5	1147.7	1151.1	1147.7	1144.3	1124.0	1063.0	1025.8	1029.2	1029.2
5°	1120.6	1124.0	1134.1	1073.2	998.7	1005.5	1015.6	1019.0	1019.0	1025.8	1025.8
7.5°	988.6	991.9	964.9	975.0	998.7	1015.6	1022.4	1005.5	951.3	931.0	931.0
10°	856.5	856.5	761.7	765.1	792.2	843.0	1002.1	1019.0	1035.9	1039.3	1035.9
12.5°	724.5	727.9	650.0	748.2	714.3	805.7	924.2	1022.4	944.5	866.7	876.8
15°	809.1	815.9	731.3	643.2	660.2	795.6	690.6	947.9	954.7	954.7	954.7
17.5°	650.0	687.2	646.6	663.5	731.3	599.2	782.0	866.7	795.6	775.3	775.3
20°	809.1	809.1	738.0	639.9	677.1	778.7	694.0	771.9	907.3	907.3	903.9
22.5°	602.6	602.6	646.6	741.4	680.5	768.5	734.6	799.0	721.1	721.1	741.4
25°	870.1	859.9	785.4	656.8	775.3	710.9	738.0	697.4	815.9	826.1	819.3
27.5°	1049.5	1042.7	843.0	755.0	727.9	758.3	663.5	650.0	626.3	721.1	710.9
30°	1242.5	1225.5	1103.7	910.7	799.0	639.9	599.2	622.9	690.6	694.0	690.6
32.5°	1333.9	1296.6	1161.2	1090.1	815.9	660.2	538.3	555.2	687.2	727.9	727.9
35°	1459.1	1418.5	1266.2	1188.3	812.5	582.3	477.3	538.3	619.5	622.9	622.9
37.5°	1631.8	1570.8	1442.2	1245.8	758.3	514.6	440.1	477.3	534.9	551.8	558.6
40°	1831.5	1753.7	1638.6	1283.1	680.5	433.3	392.7	440.1	484.1	470.6	470.6
42.5°	2112.5	1997.4	1831.5	1340.6	582.3	382.6	358.9	402.9	433.3	440.1	436.7
45°	2376.6	2234.4	2058.4	1361.0	474.0	345.3	335.2	382.6	413.0	402.9	402.9
47.5°	2674.5	2495.1	2227.6	1313.6	389.3	325.0	335.2	369.0	382.6	399.5	399.5
50°	2969.0	2776.1	2474.8	1239.1	345.3	311.5	335.2	355.5	382.6	392.7	389.3
52.5°	3236.5	3067.2	2623.7	1107.0	321.6	301.3	325.0	355.5	389.3	406.3	406.3
55°	3527.6	3355.0	2759.1	988.6	301.3	281.0	335.2	369.0	379.2	389.3	389.3
57.5°	3747.7	3612.3	2908.1	883.6	287.8	281.0	341.9	385.9	382.6	392.7	392.7
60°	4015.1	3896.7	3043.5	832.8	267.5	267.5	355.5	416.4	389.3	419.8	419.8
62.5°	4299.5	4228.4	3175.6	795.6	247.1	260.7	358.9	440.1	402.9	450.3	453.7
65°	4573.7	4587.3	3297.4	707.6	230.2	260.7	365.6	470.6	416.4	477.3	484.1
67.5°	4712.5	4824.3	3331.3	568.8	213.3	257.3	385.9	494.3	436.7	504.4	507.8
70°	4685.5	4831.0	3253.4	419.8	199.7	270.8	416.4	514.6	446.9	538.3	538.3
72.5°	4448.5	4553.4	3023.2	318.2	186.2	260.7	423.2	521.4	453.7	592.5	592.5
75°	4113.3	4005.0	2488.3	264.1	176.0	260.7	413.0	514.6	446.9	578.9	575.5
77.5°	3568.3	3206.0	1716.4	233.6	165.9	250.5	385.9	501.0	426.6	538.3	545.1
80°	2288.6	1973.7	876.8	203.1	176.0	240.4	372.4	463.8	396.1	480.7	484.1
82.5°	1042.7	876.8	399.5	179.4	172.7	216.7	338.5	413.0	345.3	409.6	406.3
85°	440.1	446.9	314.8	152.3	152.3	169.3	250.5	321.6	267.5	287.8	281.0
87.5°	341.9	328.4	216.7	91.4	98.2	74.5	162.5	230.2	176.0	186.2	182.8
90°	362.2	355.5	230.2	94.8	71.1	44.0	121.9	179.4	132.0	118.5	115.1
92.5°	385.9	382.6	257.3	101.6	71.1	37.2	104.9	145.6	94.8	81.3	77.9
95°	413.0	413.0	281.0	108.3	71.1	37.2	94.8	111.7	71.1	54.2	50.8
97.5°	328.4	335.2	240.4	111.7	67.7	37.2	84.6	91.4	54.2	30.5	30.5
100°	132.0	145.6	132.0	111.7	60.9	30.5	67.7	71.1	37.2	16.9	16.9
102.5°	30.5	37.2	91.4	98.2	47.4	20.3	44.0	44.0	23.7	10.2	10.2
105°	30.5	27.1	60.9	77.9	27.1	13.5	20.3	27.1	13.5	6.8	6.8
107.5°	30.5	30.5	27.1	37.2	13.5	10.2	10.2	10.2	6.8	6.8	6.8



REPORT NUMBER: P561088

CATALOG NUMBER: SDL-PA1-80-740-U-T2U-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	40.6	37.2	16.9	13.5	10.2	10.2	6.8	6.8	10.2	33.9	33.9
115°	33.9	30.5	16.9	10.2	10.2	10.2	6.8	3.4	10.2	37.2	37.2
117.5°	30.5	27.1	16.9	10.2	6.8	10.2	6.8	3.4	10.2	37.2	37.2
120°	33.9	30.5	16.9	10.2	6.8	6.8	6.8	3.4	10.2	33.9	33.9
122.5°	33.9	33.9	20.3	6.8	6.8	3.4	6.8	3.4	10.2	30.5	30.5
125°	30.5	27.1	16.9	6.8	3.4	3.4	3.4	3.4	13.5	27.1	30.5
127.5°	27.1	23.7	13.5	6.8	3.4	3.4	3.4	3.4	10.2	20.3	23.7
130°	20.3	20.3	10.2	6.8	3.4	3.4	3.4	3.4	10.2	20.3	16.9
132.5°	13.5	13.5	10.2	6.8	3.4	3.4	3.4	3.4	10.2	13.5	13.5
135°	10.2	10.2	6.8	3.4	3.4	3.4	3.4	3.4	6.8	10.2	10.2
137.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	6.8	6.8
140°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
142.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
145°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
147.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
150°	3.4	3.4	3.4	3.4	6.8	3.4	3.4	6.8	3.4	3.4	3.4
152.5°	3.4	3.4	3.4	6.8	3.4	3.4	3.4	3.4	10.2	10.2	6.8
155°	10.2	10.2	6.8	3.4	3.4	3.4	3.4	3.4	6.8	3.4	3.4
157.5°	3.4	3.4	3.4	3.4	3.4	0.0	3.4	0.0	0.0	3.4	0.0
160°	0.0	0.0	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0
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°	30.5	30.5	10.2	13.5	6.8	6.8	6.8	10.2	13.5	30.5
------	------	------	------	------	-----	-----	-----	------	------	------



110°	33.9	30.5	13.5	13.5	10.2	10.2	6.8	6.8	3.4	20.3	23.7
------	------	------	------	------	------	------	-----	-----	-----	------	------

(END OF REPORT)