

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: P561087

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

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561087
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-20)
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
Description: Springdale
(1) 70 CRI, 4000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE II R OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9243.8 lumens
Efficiency: N/A
Efficacy: 112.7 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 - 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



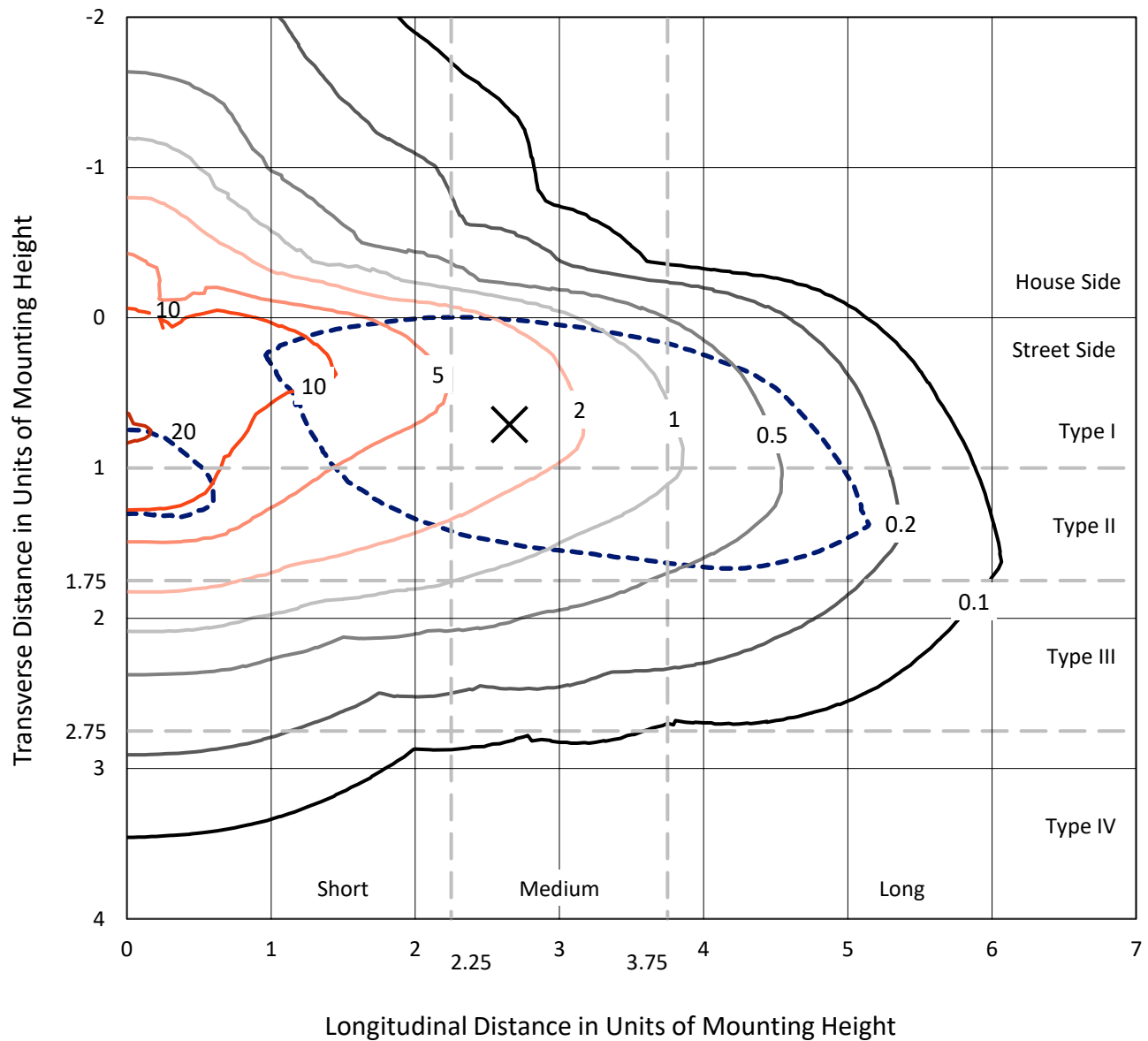
REPORT NUMBER: P561087

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

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

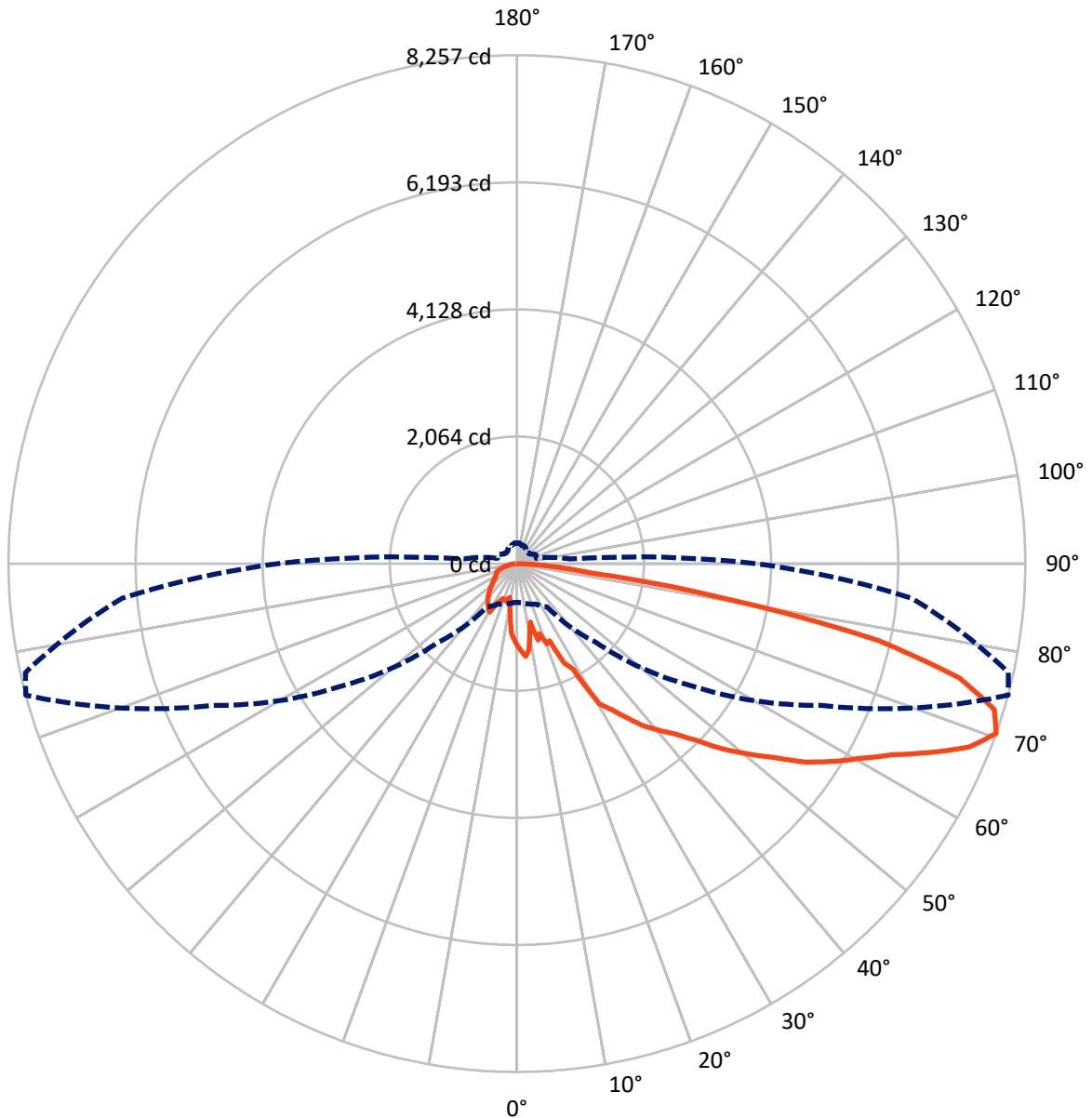


Based on 10 foot mounting height. Maximum calculated value = 21.1 fc
 Type II - Medium - N/A

REPORT NUMBER: P561087

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

Luminous Intensity Polar Plot



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

REPORT NUMBER: P561087

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

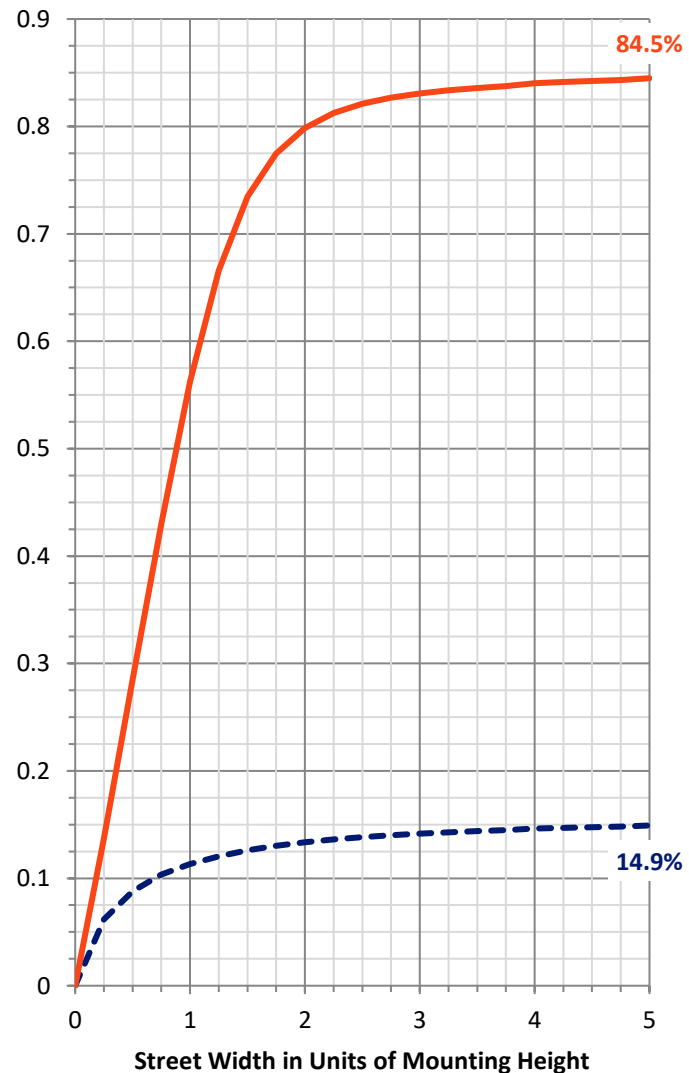
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1406.2	0.0	1406.2
	% Fixture	15.2	0.0	15.2
Street Side	Lumens	7837.7	0.0	7837.7
	% Fixture	84.8	0.0	84.8
Total	Lumens	9243.8	0.0	9243.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.5	1.2
10°-20°	293.7	3.2
20°-30°	536.9	5.8
30°-40°	1089.9	11.8
40°-50°	1672.7	18.1
50°-60°	2016.5	21.8
60°-70°	1950.1	21.1
70°-80°	1352.7	14.6
80°-90°	220.9	2.4
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°	9243.8	100.0
0°-180°	9243.8	100.0



REPORT NUMBER: P561087

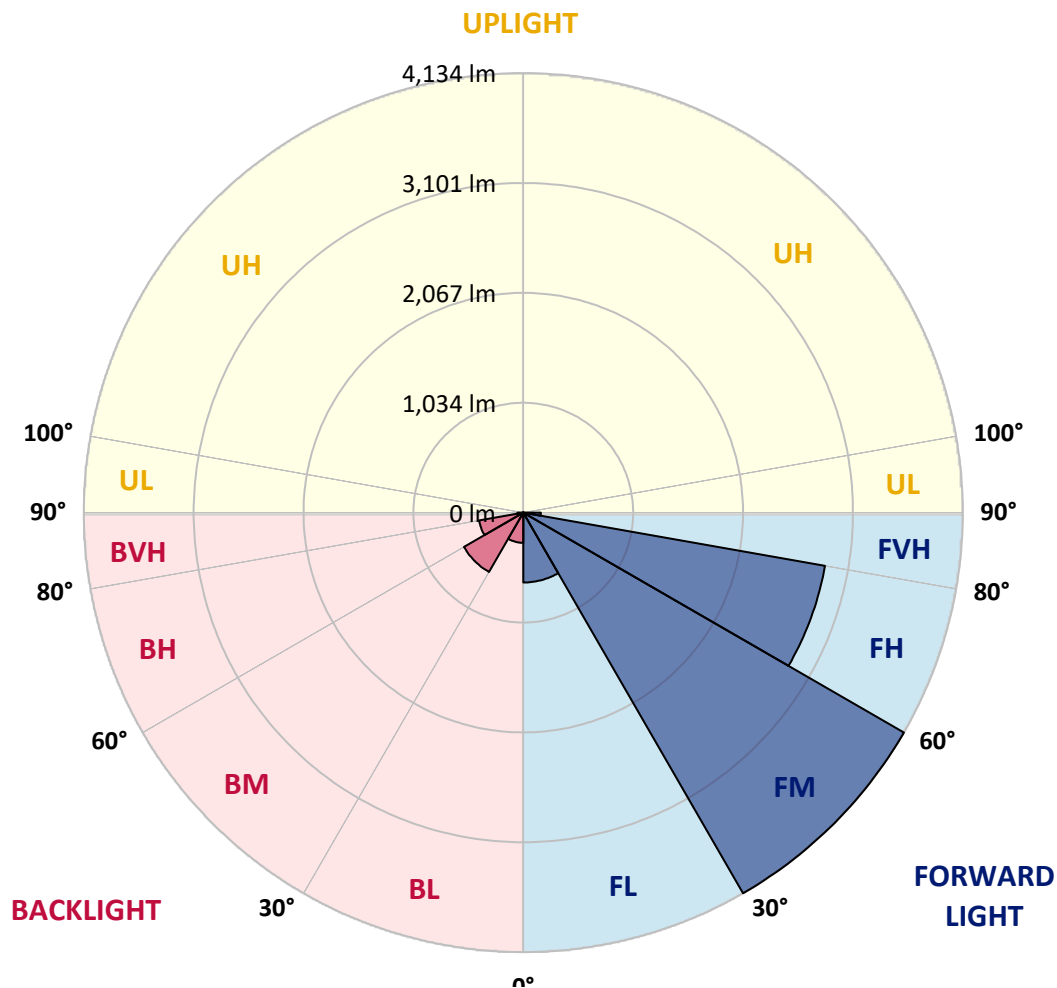
CATALOG NUMBER: SDL-PA1-80-740-U-T2R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	657.1	7.1			
FM	(30°-60°)	4134.1	44.7			
FH	(60°-80°)	2881.1	31.2			G2/5000
FVH	(80°-90°)	165.4	1.8			G2/225
BL	(0°-30°)	283.9	3.1	B1/500		
BM	(30°-60°)	645.0	7.0	B1/1000		
BH	(60°-80°)	421.8	4.6	B1/500		G1/500
BVH	(80°-90°)	55.5	0.6			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 II Medium



REPORT NUMBER: P561087

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	1335.9	1335.9	1335.9	1335.9	1335.9	1335.9	1335.9	1335.9	1335.9	1335.9	1335.9
2.5°	1386.9	1519.5	1454.9	1529.7	1567.1	1543.3	1522.9	1471.9	1427.7	1410.7	1366.5
5°	1529.7	1526.3	1509.3	1502.5	1471.9	1434.5	1403.9	1573.8	1512.7	1482.1	1403.9
7.5°	1356.3	1471.9	1556.9	1601.0	1601.0	1556.9	1509.3	1301.9	1407.3	1380.1	1267.9
10°	1703.0	1703.0	1699.6	1703.0	1397.1	1471.9	1264.5	1176.1	1138.7	1227.1	1138.7
12.5°	1448.1	1573.8	1716.6	1767.6	1628.2	1390.3	1295.1	1244.1	975.6	955.2	1009.6
15°	1703.0	1713.2	1726.8	1519.5	1291.7	1475.3	1128.5	1118.4	1291.7	1261.1	1274.7
17.5°	1366.5	1380.1	1675.8	1638.4	1502.5	1118.4	1407.3	1257.7	1193.1	1152.3	1148.9
20°	1723.4	1730.2	1726.8	1295.1	1386.9	1522.9	1458.3	1108.2	1390.3	1407.3	1424.3
22.5°	1458.3	1461.7	1478.7	1648.6	1403.9	1587.4	1315.5	1652.0	1363.1	1403.9	1060.6
25°	1961.4	1961.4	1900.2	1485.5	1699.6	1448.1	1601.0	1420.9	1788.0	1740.4	1594.2
27.5°	1828.8	1815.2	1743.8	1839.0	1533.1	1832.2	1584.0	1784.6	1941.0	1873.0	1934.2
30°	2569.8	2586.8	2495.0	1910.4	1866.2	1757.4	1825.4	2114.3	2641.2	2603.8	2325.1
32.5°	3440.0	3280.3	2862.2	2474.6	2039.5	2144.9	2039.5	2495.0	2828.2	2835.0	2461.1
35°	3861.5	3847.9	3667.8	2919.9	2345.5	2345.5	2287.7	2603.8	3069.5	3025.3	2607.2
37.5°	4198.1	4177.7	4051.9	3300.7	2620.8	2607.2	2420.3	2770.4	3344.9	3232.7	2767.0
40°	4483.6	4456.4	4347.6	3565.8	2919.9	2855.4	2583.4	2960.7	3559.0	3569.2	2919.9
42.5°	4674.0	4663.8	4585.6	3807.2	3168.1	3052.5	2801.0	3205.5	3786.8	3844.5	3110.3
45°	4823.5	4820.1	4752.1	4072.3	3344.9	3232.7	3032.1	3389.0	4099.5	4133.5	3314.3
47.5°	4840.5	4854.1	4854.1	4204.9	3467.2	3392.4	3270.1	3552.2	4497.2	4425.8	3552.2
50°	4663.8	4677.4	4762.3	4425.8	3572.6	3525.0	3474.0	3749.4	4860.9	4755.5	3803.8
52.5°	4211.7	4242.3	4473.4	4317.0	3627.0	3623.6	3664.4	4004.3	5231.4	5119.3	4136.9
55°	3239.5	3259.9	3834.3	3997.5	3610.0	3647.4	3807.2	4320.4	5690.3	5591.8	4487.0
57.5°	2474.6	2532.4	2892.8	3392.4	3423.0	3627.0	3898.9	4541.4	6060.8	5962.3	4809.9
60°	1992.0	2032.7	2243.5	2682.0	3021.9	3538.6	4024.7	4816.7	6421.2	6373.6	5156.6
62.5°	1560.3	1587.4	1733.6	2022.5	2454.3	3331.3	4102.9	5115.9	6835.9	6812.1	5608.7
65°	1118.4	1145.5	1274.7	1465.1	1896.8	2940.3	4065.5	5401.4	7393.4	7369.6	6047.3
67.5°	815.8	822.6	907.6	1036.8	1346.1	2379.5	3881.9	5581.6	7937.2	7889.6	6383.8
70°	628.9	635.7	676.4	724.0	860.0	1801.6	3453.6	5445.6	8256.8	8175.2	6434.8
72.5°	509.9	509.9	526.9	550.7	588.1	1176.1	2712.6	4911.9	8107.2	7947.4	6009.9
75°	428.3	428.3	438.5	431.7	411.3	734.2	1886.6	4102.9	7423.9	7223.4	5231.4
77.5°	360.3	356.9	356.9	360.3	319.5	499.7	1152.3	3161.3	5999.7	5805.9	3878.5
80°	295.7	295.7	295.7	295.7	261.7	356.9	686.6	2097.3	3446.8	3008.3	1777.8
82.5°	217.6	221.0	231.1	231.1	217.6	261.7	356.9	877.0	1179.5	1043.6	628.9
85°	102.0	105.4	136.0	142.8	139.4	129.2	187.0	394.3	550.7	499.7	146.2
87.5°	3.4	3.4	13.6	30.6	27.2	20.4	37.4	54.4	20.4	23.8	17.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P561087

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

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	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 NUMBER: P561087

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1335.9	1335.9	1335.9	1335.9	1335.9	1335.9	1335.9	1335.9	1335.9	1335.9	1335.9
2.5°	1335.9	1305.3	1233.9	1172.7	1108.2	1064.0	965.4	894.0	856.6	849.8	860.0
5°	1342.7	1274.7	1131.9	951.8	815.8	781.8	768.2	764.8	761.4	761.4	761.4
7.5°	1182.9	1094.6	880.4	747.8	768.2	768.2	768.2	758.0	696.8	669.7	669.7
10°	1043.6	928.0	656.1	605.1	608.5	639.1	720.6	805.6	822.6	826.0	829.4
12.5°	904.2	792.0	557.5	588.1	530.3	628.9	744.4	829.4	747.8	707.0	707.0
15°	1138.7	979.0	645.9	516.7	523.5	628.9	567.7	768.2	822.6	826.0	829.4
17.5°	1026.6	863.4	601.7	543.9	574.5	479.3	649.3	727.4	669.7	662.9	656.1
20°	1247.5	1026.6	628.9	540.5	537.1	581.3	550.7	550.7	747.8	747.8	747.8
22.5°	924.6	761.4	611.9	608.5	513.3	574.5	547.3	611.9	588.1	577.9	577.9
25°	1356.3	1074.2	669.7	533.7	550.7	506.5	564.3	503.1	622.1	628.9	628.9
27.5°	1628.2	1261.1	727.4	591.5	506.5	543.9	465.7	506.5	479.3	482.7	482.7
30°	1941.0	1478.7	904.2	618.7	520.1	448.7	462.3	438.5	520.1	509.9	506.5
32.5°	2025.9	1492.3	870.2	656.1	506.5	452.1	418.1	452.1	482.7	526.9	526.9
35°	2124.5	1505.9	822.6	625.5	496.3	421.5	414.7	452.1	489.5	475.9	475.9
37.5°	2216.3	1516.1	785.2	588.1	455.5	411.3	411.3	418.1	455.5	435.1	435.1
40°	2321.7	1519.5	741.0	547.3	421.5	404.5	380.7	387.5	390.9	377.3	373.9
42.5°	2440.7	1516.1	690.0	509.9	390.9	377.3	360.3	360.3	370.5	367.1	363.7
45°	2569.8	1512.7	635.7	465.7	356.9	339.9	329.7	370.5	387.5	387.5	380.7
47.5°	2726.2	1512.7	584.7	414.7	333.1	305.9	299.1	343.3	377.3	384.1	390.9
50°	2906.4	1505.9	537.1	377.3	309.3	285.5	295.7	339.9	367.1	377.3	373.9
52.5°	3140.9	1492.3	496.3	346.7	292.3	261.7	278.7	329.7	363.7	367.1	363.7
55°	3344.9	1444.7	455.5	333.1	278.7	248.1	268.5	326.3	356.9	356.9	356.9
57.5°	3518.2	1376.7	421.5	322.9	275.3	244.7	265.1	322.9	343.3	353.5	353.5
60°	3729.0	1291.7	397.7	319.5	271.9	241.3	261.7	319.5	336.5	350.1	350.1
62.5°	3946.5	1220.3	384.1	319.5	261.7	244.7	261.7	319.5	333.1	350.1	346.7
65°	4123.3	1128.5	370.5	326.3	258.3	244.7	261.7	319.5	329.7	346.7	346.7
67.5°	4113.1	1002.8	353.5	343.3	261.7	248.1	261.7	316.1	322.9	346.7	339.9
70°	3881.9	856.6	326.3	339.9	271.9	248.1	258.3	305.9	309.3	339.9	329.7
72.5°	3463.8	693.4	288.9	319.5	271.9	251.5	251.5	292.3	292.3	326.3	305.9
75°	2899.6	533.7	237.9	282.1	258.3	258.3	237.9	275.3	268.5	288.9	268.5
77.5°	2161.9	404.5	183.6	234.5	234.5	254.9	227.7	254.9	244.7	248.1	237.9
80°	900.8	244.7	139.4	183.6	200.6	248.1	217.6	231.1	207.4	207.4	200.6
82.5°	373.9	156.4	95.2	115.6	136.0	221.0	207.4	197.2	170.0	156.4	146.2
85°	136.0	85.0	64.6	78.2	88.4	153.0	149.6	125.8	98.6	108.8	88.4
87.5°	10.2	13.6	13.6	17.0	17.0	20.4	34.0	34.0	20.4	17.0	10.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P561087

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
------	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----



110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
------	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----



(END OF REPORT)