

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: P560911

Luminaire Tested: **SDL-PA1-70-740-U-T2R**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560911
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-PA1-70-740-U-T2R
Description: Springdale
(1) 70 CRI, 4000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE II R OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8420.1 lumens
Efficiency: N/A
Efficacy: 116.6 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 - G2

Input Watts (W): 72.2
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

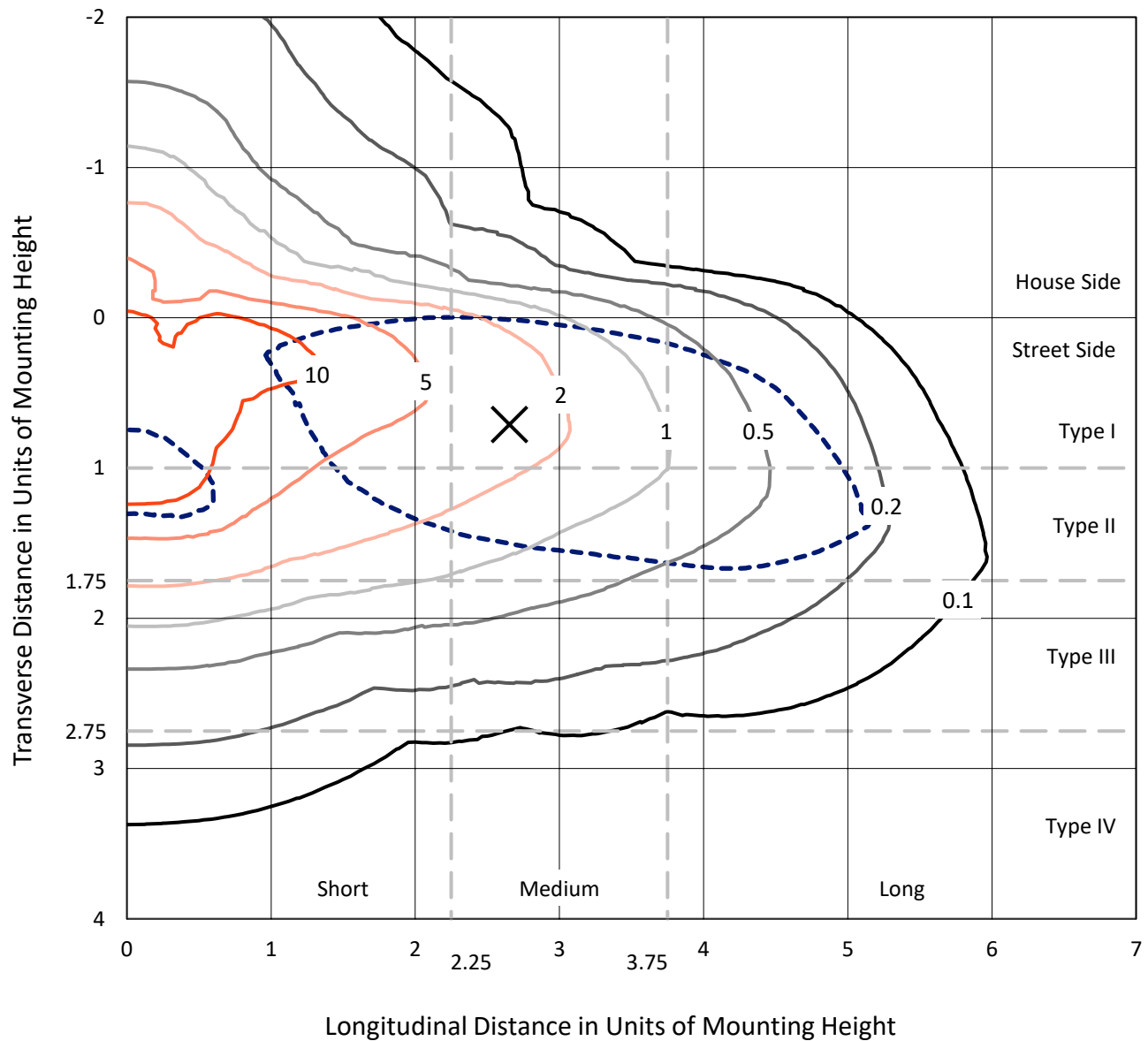


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

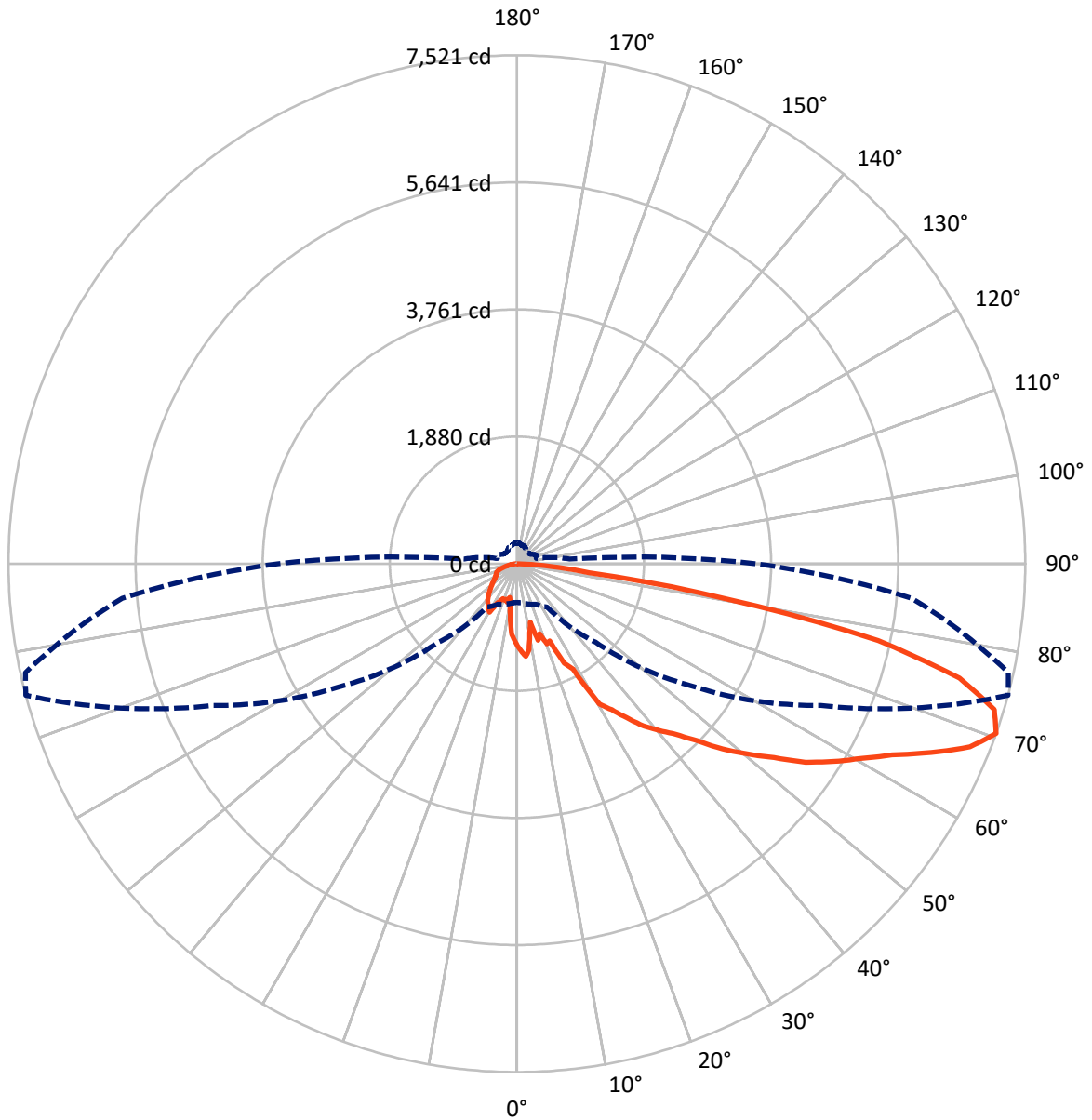


Based on 10 foot mounting height. Maximum calculated value = 19.2 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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

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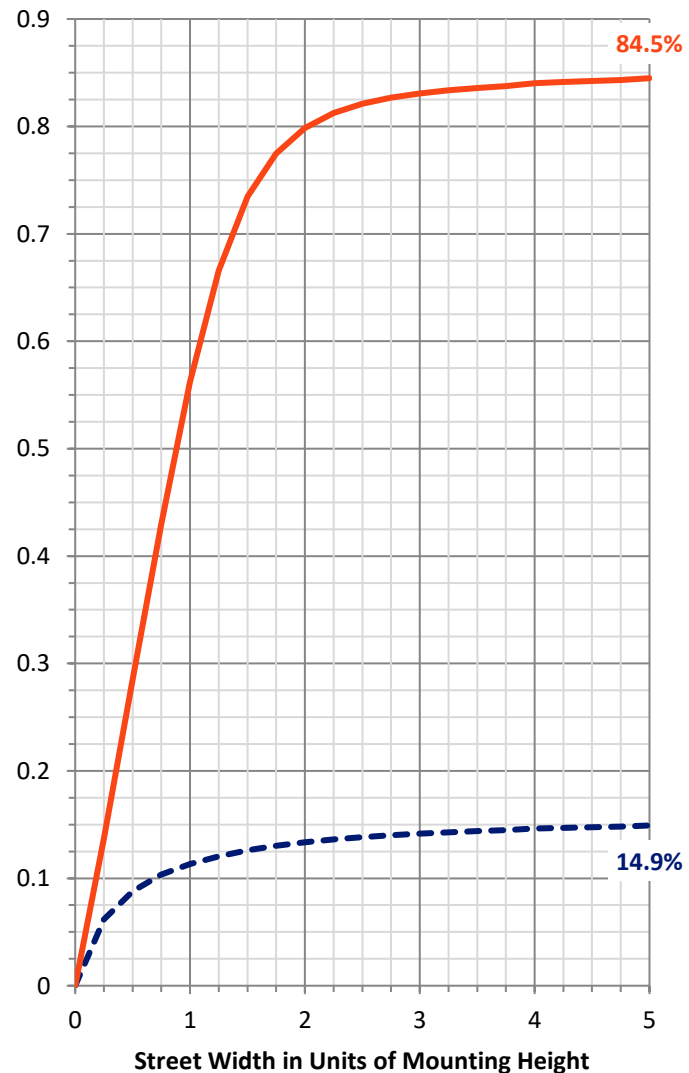
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1280.9	0.0	1280.9
	% Fixture	15.2	0.0	15.2
Street Side	Lumens	7139.3	0.0	7139.3
	% Fixture	84.8	0.0	84.8
Total	Lumens	8420.1	0.0	8420.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.6	1.2
10°-20°	267.5	3.2
20°-30°	489.0	5.8
30°-40°	992.8	11.8
40°-50°	1523.6	18.1
50°-60°	1836.8	21.8
60°-70°	1776.4	21.1
70°-80°	1232.2	14.6
80°-90°	201.2	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°	8420.1	100.0
0°-180°	8420.1	100.0

Coefficient of Utilization



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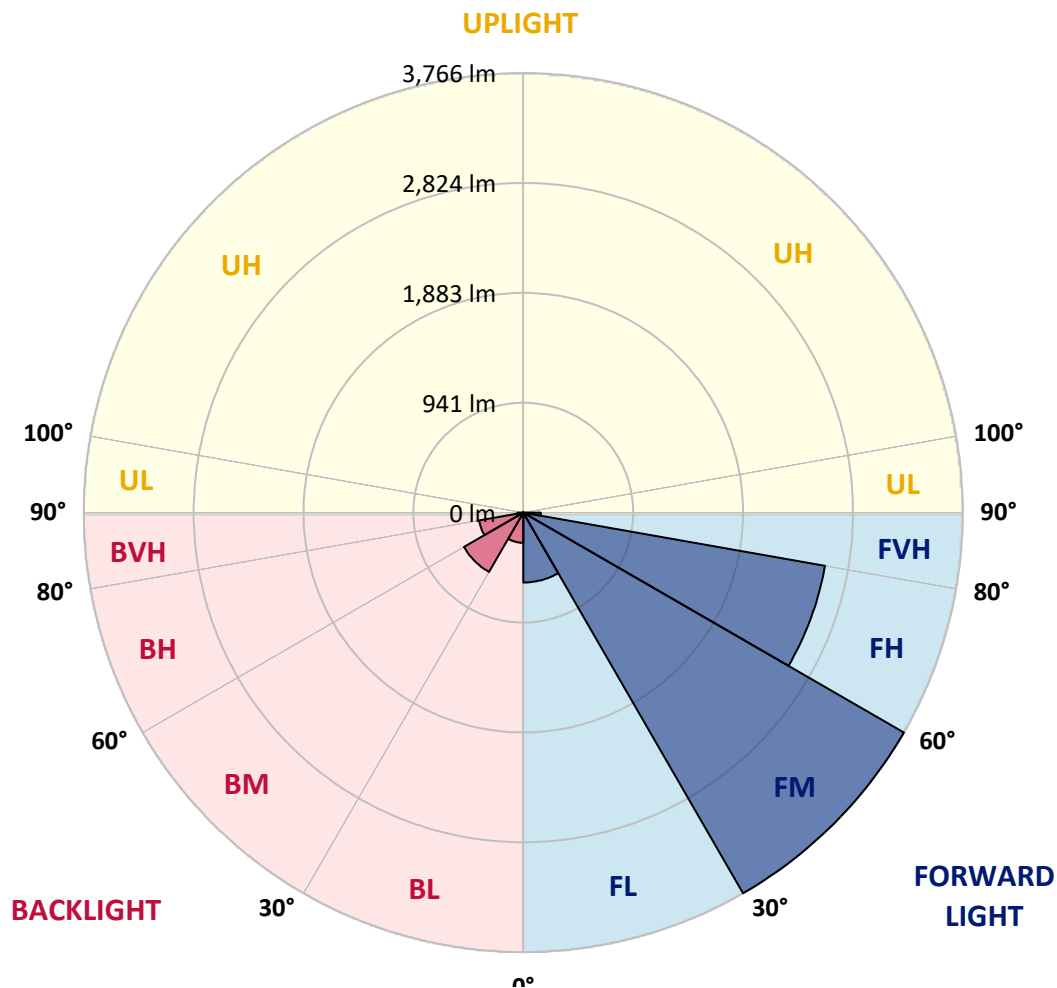
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	598.5	7.1			
FM	(30°-60°)	3765.7	44.7			
FH	(60°-80°)	2624.4	31.2			G2/5000
FVH	(80°-90°)	150.7	1.8			G2/225
BL	(0°-30°)	258.6	3.1	B1/500		
BM	(30°-60°)	587.5	7.0	B1/1000		
BH	(60°-80°)	384.2	4.6	B1/500		G1/500
BVH	(80°-90°)	50.5	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	1216.9	1216.9	1216.9	1216.9	1216.9	1216.9	1216.9	1216.9	1216.9	1216.9	1216.9
2.5°	1263.3	1384.1	1325.2	1393.4	1427.4	1405.7	1387.2	1340.7	1300.5	1285.0	1244.7
5°	1393.4	1390.3	1374.8	1368.6	1340.7	1306.7	1278.8	1433.6	1377.9	1350.0	1278.8
7.5°	1235.4	1340.7	1418.1	1458.4	1458.4	1418.1	1374.8	1185.9	1281.9	1257.1	1154.9
10°	1551.3	1551.3	1548.2	1551.3	1272.6	1340.7	1151.8	1071.3	1037.3	1117.8	1037.3
12.5°	1319.0	1433.6	1563.7	1610.1	1483.1	1266.4	1179.7	1133.3	888.7	870.1	919.6
15°	1551.3	1560.6	1572.9	1384.1	1176.6	1343.8	1028.0	1018.7	1176.6	1148.7	1161.1
17.5°	1244.7	1257.1	1526.5	1492.4	1368.6	1018.7	1281.9	1145.6	1086.8	1049.7	1046.6
20°	1569.8	1576.0	1572.9	1179.7	1263.3	1387.2	1328.3	1009.4	1266.4	1281.9	1297.4
22.5°	1328.3	1331.4	1346.9	1501.7	1278.8	1446.0	1198.3	1504.8	1241.6	1278.8	966.1
25°	1786.6	1786.6	1730.9	1353.1	1548.2	1319.0	1458.4	1294.3	1628.7	1585.3	1452.2
27.5°	1665.8	1653.4	1588.4	1675.1	1396.5	1668.9	1442.9	1625.6	1768.0	1706.1	1761.8
30°	2340.8	2356.3	2272.7	1740.1	1699.9	1600.8	1662.7	1925.9	2405.9	2371.8	2117.9
32.5°	3133.5	2988.0	2607.1	2254.1	1857.8	1953.8	1857.8	2272.7	2576.2	2582.3	2241.8
35°	3517.4	3505.1	3341.0	2659.8	2136.5	2136.5	2083.8	2371.8	2796.0	2755.7	2374.9
37.5°	3824.0	3805.4	3690.8	3006.5	2387.3	2374.9	2204.6	2523.5	3046.8	2944.6	2520.4
40°	4084.1	4059.3	3960.2	3248.1	2659.8	2600.9	2353.2	2696.9	3241.9	3251.2	2659.8
42.5°	4257.5	4248.2	4177.0	3467.9	2885.8	2780.5	2551.4	2919.9	3449.3	3502.0	2833.2
45°	4393.7	4390.6	4328.7	3709.4	3046.8	2944.6	2761.9	3087.1	3734.2	3765.2	3018.9
47.5°	4409.2	4421.6	4421.6	3830.2	3158.3	3090.1	2978.7	3235.7	4096.5	4031.4	3235.7
50°	4248.2	4260.6	4338.0	4031.4	3254.3	3210.9	3164.5	3415.3	4427.8	4331.8	3464.8
52.5°	3836.4	3864.2	4074.8	3932.4	3303.8	3300.7	3337.9	3647.5	4765.3	4663.1	3768.2
55°	2950.8	2969.4	3492.7	3641.3	3288.3	3322.4	3467.9	3935.5	5183.3	5093.5	4087.2
57.5°	2254.1	2306.8	2635.0	3090.1	3118.0	3303.8	3551.5	4136.7	5520.8	5431.0	4381.3
60°	1814.5	1851.6	2043.6	2443.0	2752.6	3223.3	3666.1	4387.5	5849.0	5805.6	4697.2
62.5°	1421.2	1446.0	1579.1	1842.3	2235.6	3034.4	3737.3	4660.0	6226.7	6205.1	5109.0
65°	1018.7	1043.5	1161.1	1334.5	1727.8	2678.3	3703.2	4920.1	6734.5	6712.9	5508.4
67.5°	743.1	749.3	826.7	944.4	1226.2	2167.4	3536.0	5084.2	7230.0	7186.6	5814.9
70°	572.8	579.0	616.2	659.5	783.4	1641.1	3145.9	4960.3	7521.0	7446.7	5861.4
72.5°	464.5	464.5	479.9	501.6	535.7	1071.3	2470.9	4474.2	7384.8	7239.2	5474.3
75°	390.1	390.1	399.4	393.2	374.7	668.8	1718.5	3737.3	6762.4	6579.7	4765.3
77.5°	328.2	325.1	325.1	328.2	291.1	455.2	1049.7	2879.6	5465.0	5288.6	3532.9
80°	269.4	269.4	269.4	269.4	238.4	325.1	625.5	1910.4	3139.7	2740.3	1619.4
82.5°	198.2	201.3	210.6	210.6	198.2	238.4	325.1	798.9	1074.4	950.6	572.8
85°	92.9	96.0	123.9	130.0	127.0	117.7	170.3	359.2	501.6	455.2	133.1
87.5°	3.1	3.1	12.4	27.9	24.8	18.6	34.1	49.5	18.6	21.7	15.5
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



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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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1216.9	1216.9	1216.9	1216.9	1216.9	1216.9	1216.9	1216.9	1216.9	1216.9	1216.9
2.5°	1216.9	1189.0	1124.0	1068.2	1009.4	969.2	879.4	814.3	780.3	774.1	783.4
5°	1223.1	1161.1	1031.1	867.0	743.1	712.2	699.8	696.7	693.6	693.6	693.6
7.5°	1077.5	997.0	802.0	681.2	699.8	699.8	699.8	690.5	634.8	610.0	610.0
10°	950.6	845.3	597.6	551.1	554.2	582.1	656.4	733.8	749.3	752.4	755.5
12.5°	823.6	721.4	507.8	535.7	483.0	572.8	678.1	755.5	681.2	644.0	644.0
15°	1037.3	891.7	588.3	470.6	476.8	572.8	517.1	699.8	749.3	752.4	755.5
17.5°	935.1	786.5	548.1	495.4	523.3	436.6	591.4	662.6	610.0	603.8	597.6
20°	1136.4	935.1	572.8	492.3	489.2	529.5	501.6	501.6	681.2	681.2	681.2
22.5°	842.2	693.6	557.3	554.2	467.5	523.3	498.5	557.3	535.7	526.4	526.4
25°	1235.4	978.4	610.0	486.1	501.6	461.4	514.0	458.3	566.6	572.8	572.8
27.5°	1483.1	1148.7	662.6	538.8	461.4	495.4	424.2	461.4	436.6	439.7	439.7
30°	1768.0	1346.9	823.6	563.5	473.7	408.7	421.1	399.4	473.7	464.5	461.4
32.5°	1845.4	1359.3	792.7	597.6	461.4	411.8	380.9	411.8	439.7	479.9	479.9
35°	1935.2	1371.7	749.3	569.7	452.1	383.9	377.8	411.8	445.9	433.5	433.5
37.5°	2018.8	1381.0	715.3	535.7	414.9	374.7	374.7	380.9	414.9	396.3	396.3
40°	2114.8	1384.1	675.0	498.5	383.9	368.5	346.8	353.0	356.1	343.7	340.6
42.5°	2223.2	1381.0	628.6	464.5	356.1	343.7	328.2	328.2	337.5	334.4	331.3
45°	2340.8	1377.9	579.0	424.2	325.1	309.6	300.3	337.5	353.0	353.0	346.8
47.5°	2483.3	1377.9	532.6	377.8	303.4	278.7	272.5	312.7	343.7	349.9	356.1
50°	2647.4	1371.7	489.2	343.7	281.8	260.1	269.4	309.6	334.4	343.7	340.6
52.5°	2861.0	1359.3	452.1	315.8	266.3	238.4	253.9	300.3	331.3	334.4	331.3
55°	3046.8	1315.9	414.9	303.4	253.9	226.0	244.6	297.2	325.1	325.1	325.1
57.5°	3204.7	1254.0	383.9	294.2	250.8	222.9	241.5	294.2	312.7	322.0	322.0
60°	3396.7	1176.6	362.3	291.1	247.7	219.8	238.4	291.1	306.5	318.9	318.9
62.5°	3594.9	1111.6	349.9	291.1	238.4	222.9	238.4	291.1	303.4	318.9	315.8
65°	3755.9	1028.0	337.5	297.2	235.3	222.9	238.4	291.1	300.3	315.8	315.8
67.5°	3746.6	913.4	322.0	312.7	238.4	226.0	238.4	288.0	294.2	315.8	309.6
70°	3536.0	780.3	297.2	309.6	247.7	226.0	235.3	278.7	281.8	309.6	300.3
72.5°	3155.2	631.7	263.2	291.1	247.7	229.1	229.1	266.3	266.3	297.2	278.7
75°	2641.2	486.1	216.7	257.0	235.3	235.3	216.7	250.8	244.6	263.2	244.6
77.5°	1969.3	368.5	167.2	213.6	213.6	232.2	207.5	232.2	222.9	226.0	216.7
80°	820.5	222.9	127.0	167.2	182.7	226.0	198.2	210.6	188.9	188.9	182.7
82.5°	340.6	142.4	86.7	105.3	123.9	201.3	188.9	179.6	154.8	142.4	133.1
85°	123.9	77.4	58.8	71.2	80.5	139.3	136.2	114.6	89.8	99.1	80.5
87.5°	9.3	12.4	12.4	15.5	15.5	18.6	31.0	31.0	18.6	15.5	9.3
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: P560911

CATALOG NUMBER: SDL-PA1-70-740-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





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110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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(END OF REPORT)