

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: P560361

Luminaire Tested: **SDL-PA1-40-730-U-T2R**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560361
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-PA1-40-730-U-T2R
Description: Springdale
(1) 70 CRI, 3000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE II R OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4473.8 lumens
Efficiency: N/A
Efficacy: 113.5 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

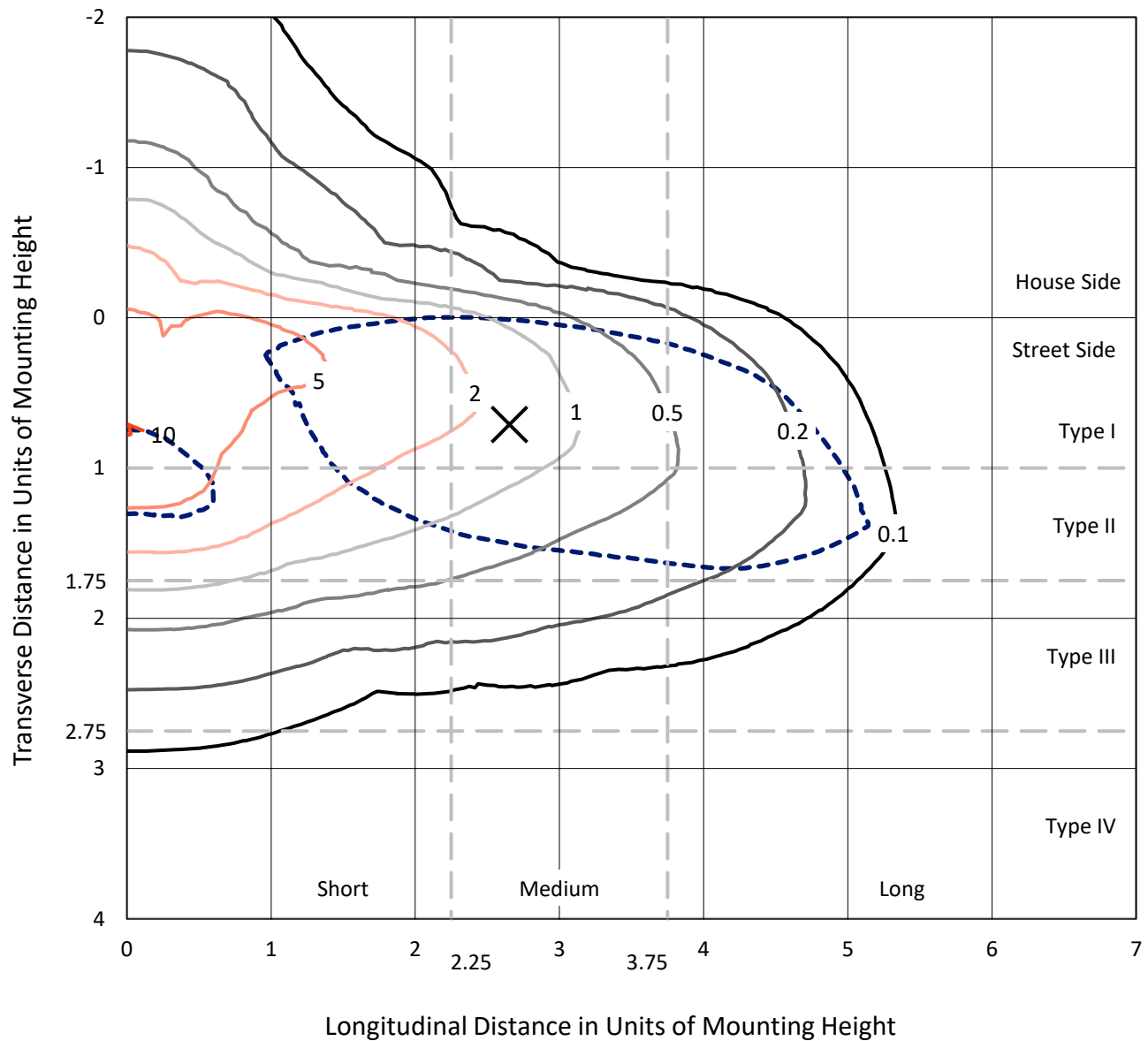


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

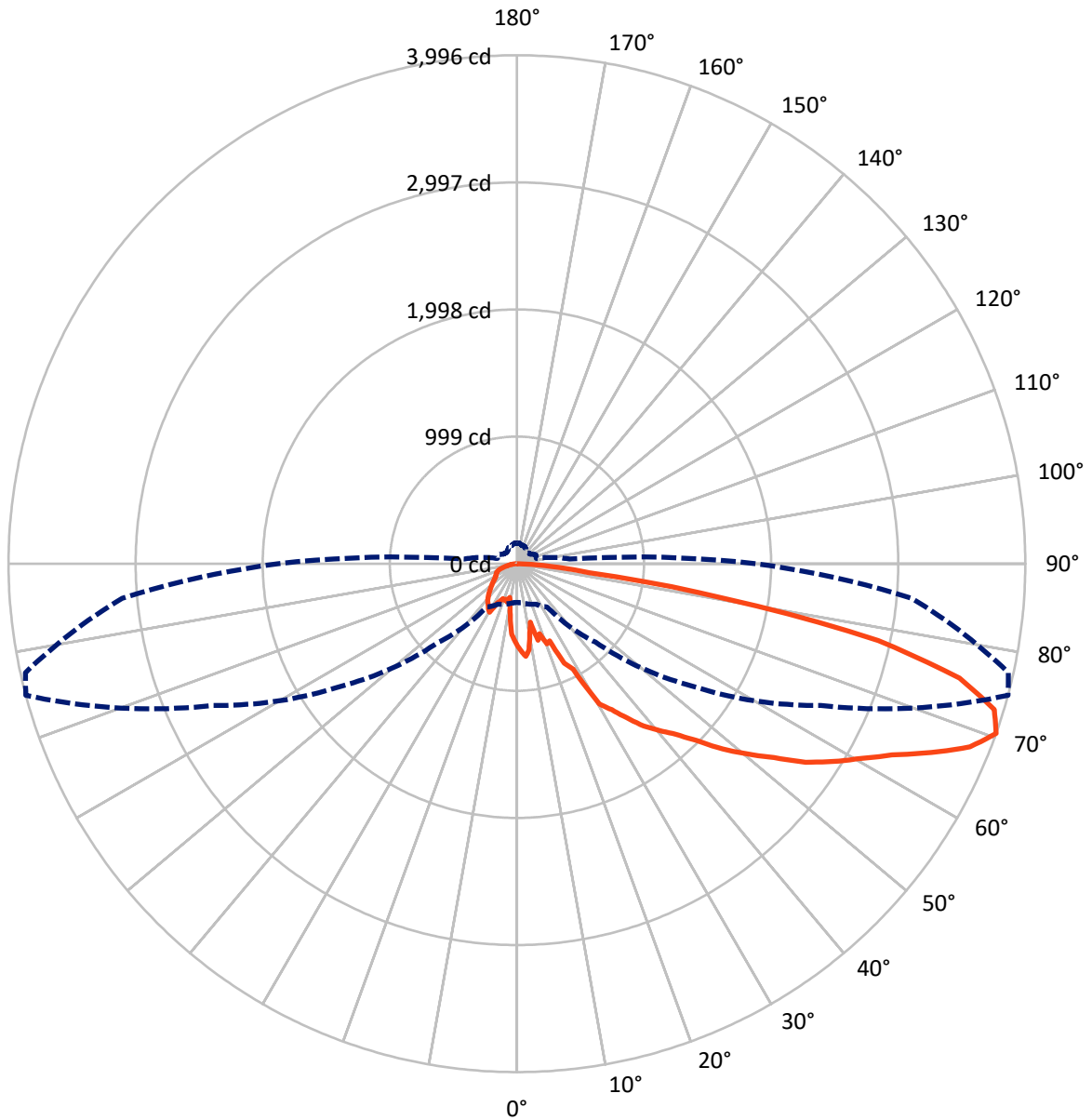


Based on 10 foot mounting height. Maximum calculated value = 10.2 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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

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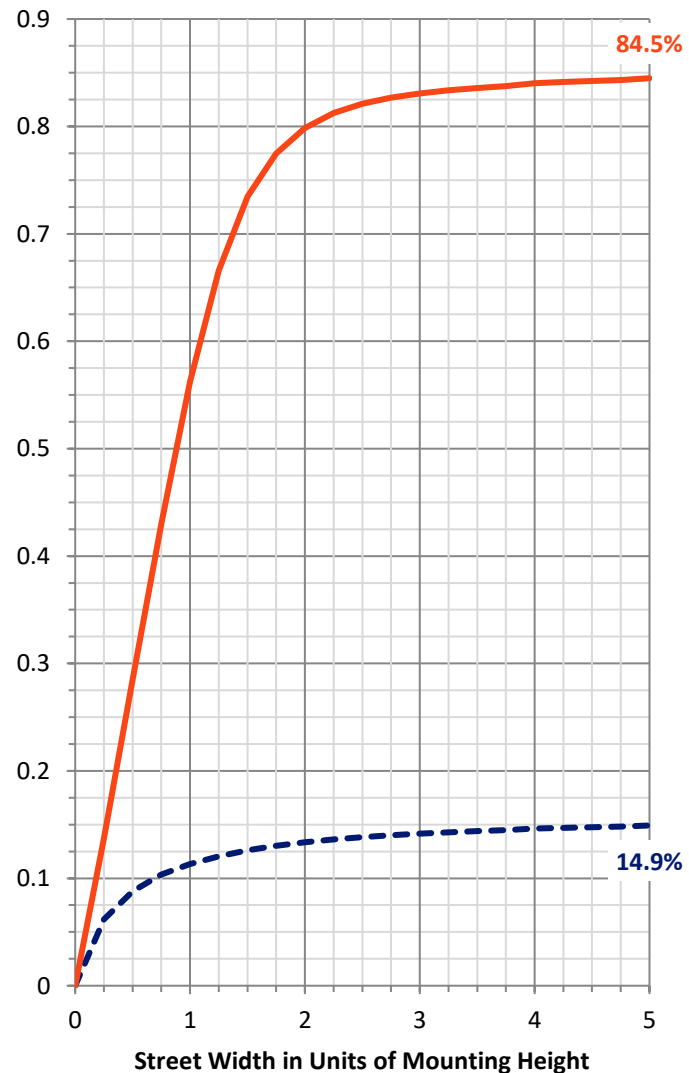
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	680.6	0.0	680.6
	% Fixture	15.2	0.0	15.2
Street Side	Lumens	3793.3	0.0	3793.3
	% Fixture	84.8	0.0	84.8
Total	Lumens	4473.8	0.0	4473.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.5	1.2
10°-20°	142.1	3.2
20°-30°	259.8	5.8
30°-40°	527.5	11.8
40°-50°	809.5	18.1
50°-60°	976.0	21.8
60°-70°	943.8	21.1
70°-80°	654.7	14.6
80°-90°	106.9	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°	4473.8	100.0
0°-180°	4473.8	100.0



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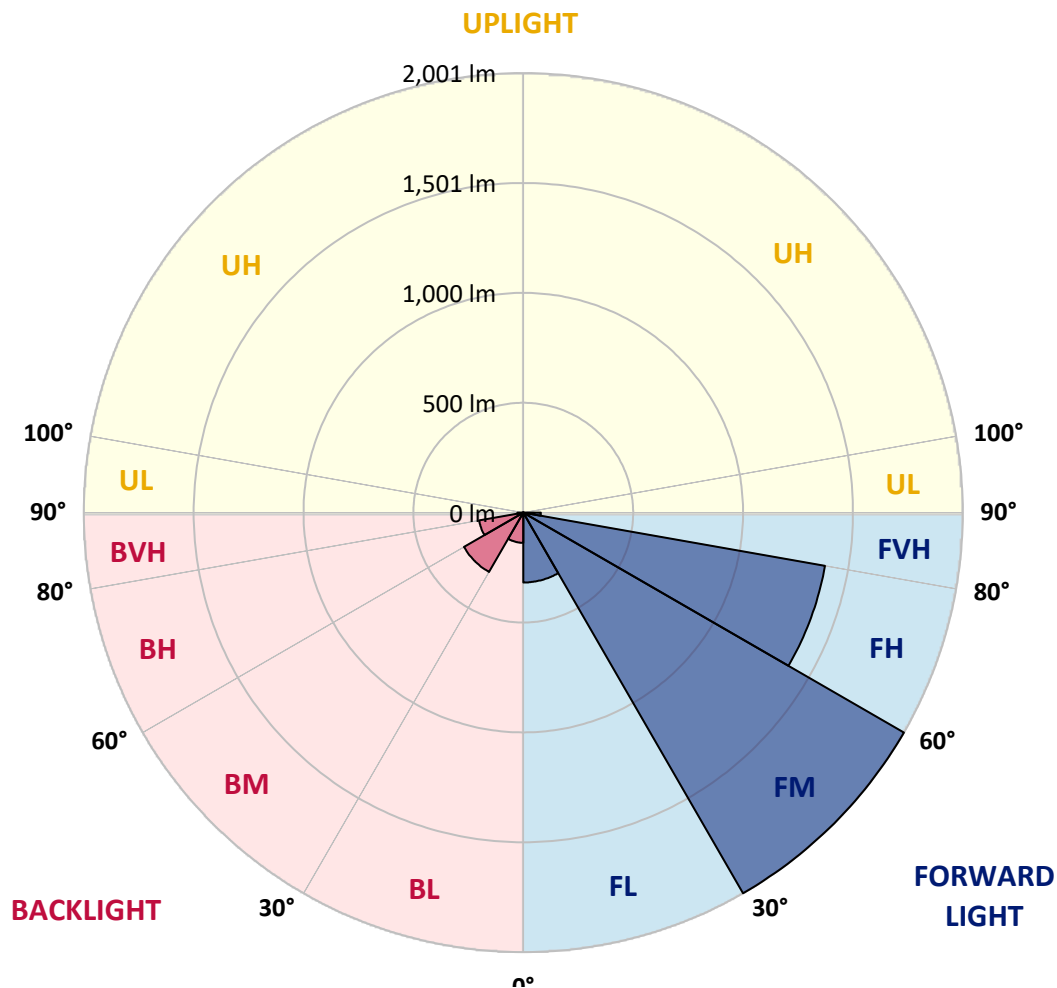
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	318.0	7.1			
FM	(30°-60°)	2000.8	44.7			
FH	(60°-80°)	1394.4	31.2			G1/1800
FVH	(80°-90°)	80.1	1.8			G1/100
BL	(0°-30°)	137.4	3.1	B1/500		
BM	(30°-60°)	312.2	7.0	B1/1000		
BH	(60°-80°)	204.1	4.6	B1/500		G1/500
BVH	(80°-90°)	26.9	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-G1

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	646.6	646.6	646.6	646.6	646.6	646.6	646.6	646.6	646.6	646.6	646.6
2.5°	671.2	735.4	704.1	740.3	758.4	746.9	737.0	712.4	691.0	682.7	661.4
5°	740.3	738.7	730.5	727.2	712.4	694.3	679.5	761.7	732.1	717.3	679.5
7.5°	656.4	712.4	753.5	774.9	774.9	753.5	730.5	630.1	681.1	667.9	613.6
10°	824.2	824.2	822.6	824.2	676.2	712.4	612.0	569.2	551.1	593.9	551.1
12.5°	700.8	761.7	830.8	855.5	788.0	672.9	626.8	602.1	472.2	462.3	488.6
15°	824.2	829.2	835.7	735.4	625.2	714.0	546.2	541.3	625.2	610.4	616.9
17.5°	661.4	667.9	811.1	793.0	727.2	541.3	681.1	608.7	577.5	557.7	556.1
20°	834.1	837.4	835.7	626.8	671.2	737.0	705.8	536.3	672.9	681.1	689.3
22.5°	705.8	707.4	715.7	797.9	679.5	768.3	636.7	799.6	659.7	679.5	513.3
25°	949.3	949.3	919.7	718.9	822.6	700.8	774.9	687.7	865.4	842.3	771.6
27.5°	885.1	878.5	844.0	890.0	742.0	886.7	766.7	863.7	939.4	906.5	936.1
30°	1243.8	1252.0	1207.6	924.6	903.2	850.6	883.5	1023.3	1278.3	1260.2	1125.3
32.5°	1664.9	1587.6	1385.2	1197.7	987.1	1038.1	987.1	1207.6	1368.8	1372.1	1191.1
35°	1868.9	1862.3	1775.1	1413.2	1135.2	1135.2	1107.2	1260.2	1485.6	1464.2	1261.8
37.5°	2031.8	2021.9	1961.0	1597.5	1268.4	1261.8	1171.4	1340.8	1618.9	1564.6	1339.2
40°	2170.0	2156.8	2104.2	1725.8	1413.2	1381.9	1250.3	1432.9	1722.5	1727.4	1413.2
42.5°	2262.1	2257.2	2219.3	1842.6	1533.3	1477.4	1355.6	1551.4	1832.7	1860.7	1505.3
45°	2334.5	2332.9	2300.0	1970.9	1618.9	1564.6	1467.5	1640.2	1984.1	2000.5	1604.0
47.5°	2342.7	2349.3	2349.3	2035.1	1678.1	1641.9	1582.7	1719.2	2176.6	2142.0	1719.2
50°	2257.2	2263.8	2304.9	2142.0	1729.1	1706.0	1681.4	1814.6	2352.6	2301.6	1840.9
52.5°	2038.4	2053.2	2165.0	2089.4	1755.4	1753.8	1773.5	1938.0	2531.9	2477.6	2002.2
55°	1567.8	1577.7	1855.8	1934.7	1747.2	1765.3	1842.6	2091.0	2754.0	2706.3	2171.6
57.5°	1197.7	1225.7	1400.0	1641.9	1656.7	1755.4	1887.0	2198.0	2933.3	2885.6	2327.9
60°	964.1	983.8	1085.8	1298.0	1462.6	1712.6	1947.9	2331.2	3107.7	3084.7	2495.7
62.5°	755.1	768.3	839.0	978.9	1187.8	1612.3	1985.7	2476.0	3308.4	3296.9	2714.5
65°	541.3	554.4	616.9	709.1	918.0	1423.1	1967.6	2614.2	3578.3	3566.7	2926.8
67.5°	394.8	398.1	439.3	501.8	651.5	1151.6	1878.8	2701.4	3841.5	3818.4	3089.6
70°	304.4	307.6	327.4	350.4	416.2	871.9	1671.5	2635.6	3996.1	3956.6	3114.3
72.5°	246.8	246.8	255.0	266.5	284.6	569.2	1312.8	2377.3	3923.7	3846.4	2908.7
75°	207.3	207.3	212.2	208.9	199.1	355.4	913.1	1985.7	3593.1	3496.0	2531.9
77.5°	174.4	172.7	172.7	174.4	154.6	241.8	557.7	1530.0	2903.7	2810.0	1877.1
80°	143.1	143.1	143.1	143.1	126.7	172.7	332.3	1015.1	1668.2	1456.0	860.4
82.5°	105.3	106.9	111.9	111.9	105.3	126.7	172.7	424.5	570.9	505.1	304.4
85°	49.4	51.0	65.8	69.1	67.5	62.5	90.5	190.8	266.5	241.8	70.7
87.5°	1.6	1.6	6.6	14.8	13.2	9.9	18.1	26.3	9.9	11.5	8.2
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



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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°	646.6	646.6	646.6	646.6	646.6	646.6	646.6	646.6	646.6	646.6	646.6
2.5°	646.6	631.7	597.2	567.6	536.3	514.9	467.2	432.7	414.6	411.3	416.2
5°	649.8	616.9	547.8	460.6	394.8	378.4	371.8	370.2	368.5	368.5	368.5
7.5°	572.5	529.7	426.1	361.9	371.8	371.8	371.8	366.9	337.3	324.1	324.1
10°	505.1	449.1	317.5	292.8	294.5	309.3	348.8	389.9	398.1	399.8	401.4
12.5°	437.6	383.3	269.8	284.6	256.6	304.4	360.3	401.4	361.9	342.2	342.2
15°	551.1	473.8	312.6	250.1	253.4	304.4	274.7	371.8	398.1	399.8	401.4
17.5°	496.8	417.9	291.2	263.2	278.0	232.0	314.2	352.1	324.1	320.8	317.5
20°	603.8	496.8	304.4	261.6	259.9	281.3	266.5	266.5	361.9	361.9	361.9
22.5°	447.5	368.5	296.1	294.5	248.4	278.0	264.9	296.1	284.6	279.7	279.7
25°	656.4	519.9	324.1	258.3	266.5	245.1	273.1	243.5	301.1	304.4	304.4
27.5°	788.0	610.4	352.1	286.3	245.1	263.2	225.4	245.1	232.0	233.6	233.6
30°	939.4	715.7	437.6	299.4	251.7	217.2	223.7	212.2	251.7	246.8	245.1
32.5°	980.5	722.2	421.2	317.5	245.1	218.8	202.4	218.8	233.6	255.0	255.0
35°	1028.2	728.8	398.1	302.7	240.2	204.0	200.7	218.8	236.9	230.3	230.3
37.5°	1072.7	733.7	380.0	284.6	220.5	199.1	199.1	202.4	220.5	210.6	210.6
40°	1123.7	735.4	358.6	264.9	204.0	195.8	184.3	187.5	189.2	182.6	181.0
42.5°	1181.2	733.7	334.0	246.8	189.2	182.6	174.4	174.4	179.3	177.7	176.0
45°	1243.8	732.1	307.6	225.4	172.7	164.5	159.6	179.3	187.5	187.5	184.3
47.5°	1319.4	732.1	283.0	200.7	161.2	148.1	144.8	166.2	182.6	185.9	189.2
50°	1406.6	728.8	259.9	182.6	149.7	138.2	143.1	164.5	177.7	182.6	181.0
52.5°	1520.1	722.2	240.2	167.8	141.5	126.7	134.9	159.6	176.0	177.7	176.0
55°	1618.9	699.2	220.5	161.2	134.9	120.1	130.0	157.9	172.7	172.7	172.7
57.5°	1702.8	666.3	204.0	156.3	133.3	118.5	128.3	156.3	166.2	171.1	171.1
60°	1804.8	625.2	192.5	154.6	131.6	116.8	126.7	154.6	162.9	169.5	169.5
62.5°	1910.0	590.6	185.9	154.6	126.7	118.5	126.7	154.6	161.2	169.5	167.8
65°	1995.6	546.2	179.3	157.9	125.0	118.5	126.7	154.6	159.6	167.8	167.8
67.5°	1990.7	485.3	171.1	166.2	126.7	120.1	126.7	153.0	156.3	167.8	164.5
70°	1878.8	414.6	157.9	164.5	131.6	120.1	125.0	148.1	149.7	164.5	159.6
72.5°	1676.4	335.6	139.8	154.6	131.6	121.7	121.7	141.5	141.5	157.9	148.1
75°	1403.3	258.3	115.2	136.5	125.0	125.0	115.2	133.3	130.0	139.8	130.0
77.5°	1046.3	195.8	88.8	113.5	113.5	123.4	110.2	123.4	118.5	120.1	115.2
80°	436.0	118.5	67.5	88.8	97.1	120.1	105.3	111.9	100.4	100.4	97.1
82.5°	181.0	75.7	46.1	55.9	65.8	106.9	100.4	95.4	82.3	75.7	70.7
85°	65.8	41.1	31.3	37.8	42.8	74.0	72.4	60.9	47.7	52.6	42.8
87.5°	4.9	6.6	6.6	8.2	8.2	9.9	16.5	16.5	9.9	8.2	4.9
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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CATALOG NUMBER: SDL-PA1-40-730-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)