

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: P560720

Luminaire Tested: **SDL-PA1-60-730-U-T3-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560720
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-2)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-60-730-U-T3-HSS
Description: Springdale
(1) 70 CRI, 3000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5060.9 lumens
Efficiency: N/A
Efficacy: 81.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 62.4
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

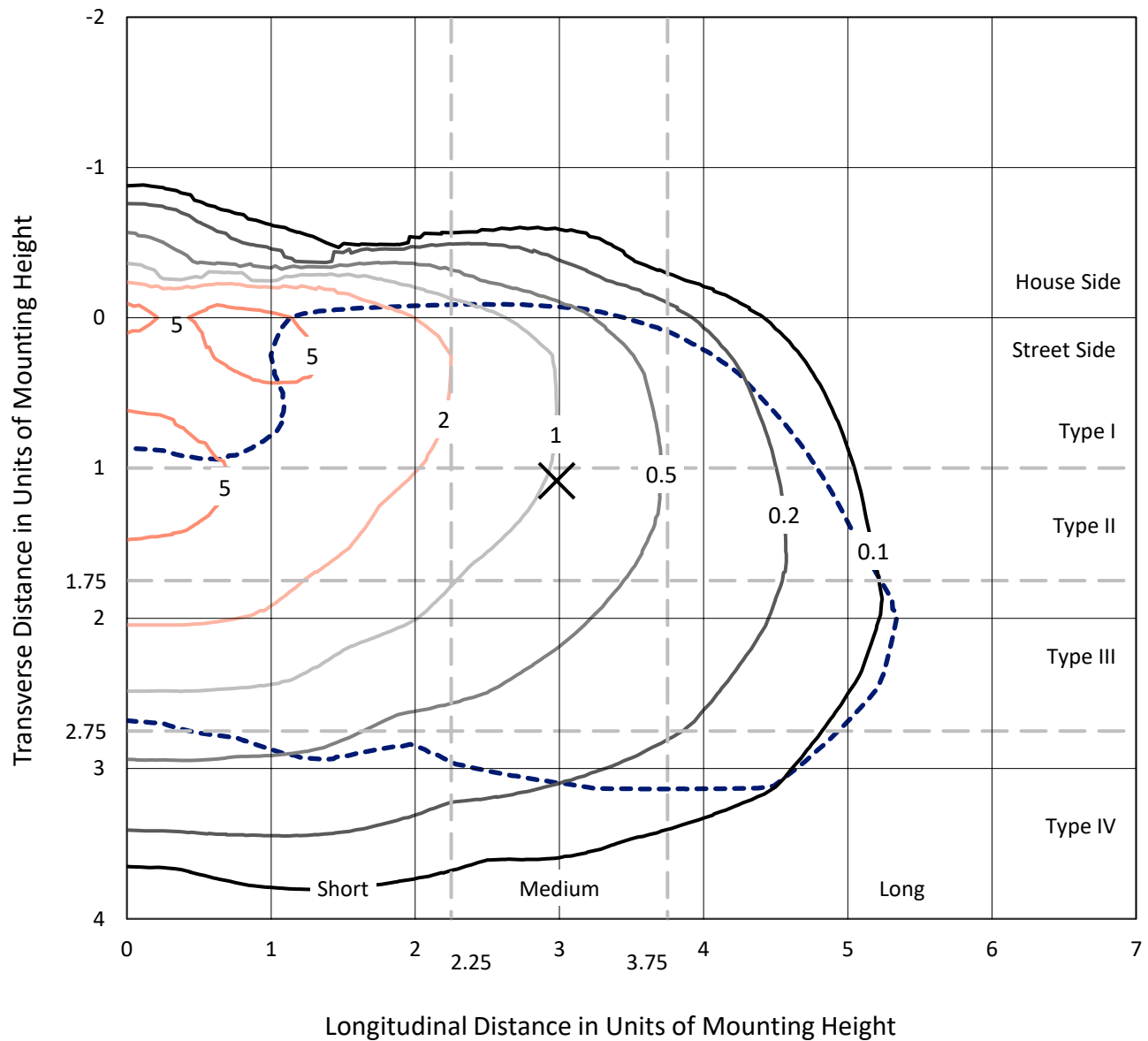


REPORT NUMBER: P560720

CATALOG NUMBER: SDL-PA1-60-730-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

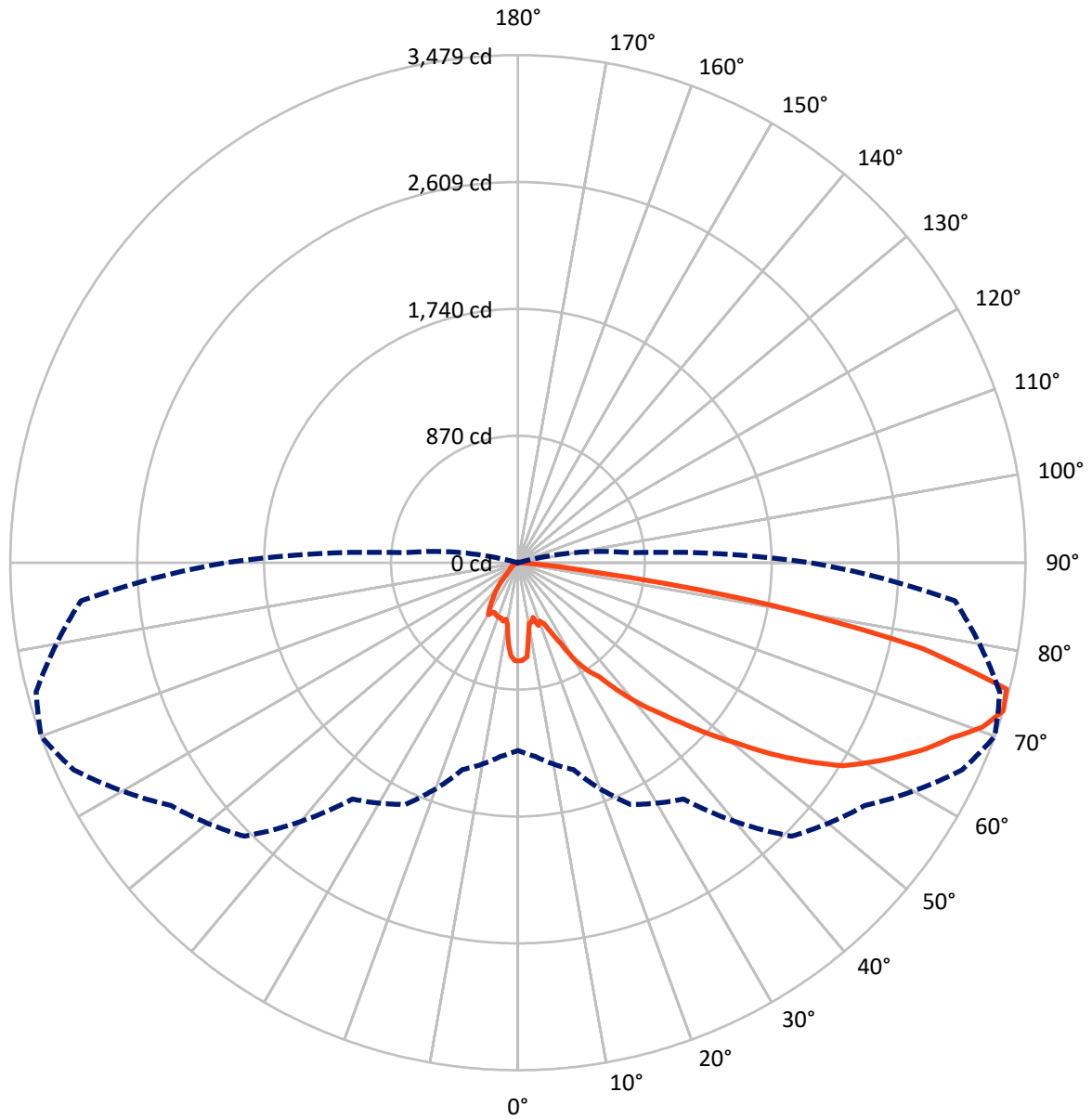


Based on 10 foot mounting height. Maximum calculated value = 7.9 fc
 Type IV - Medium - N/A

REPORT NUMBER: P560720

CATALOG NUMBER: SDL-PA1-60-730-U-T3-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P560720

CATALOG NUMBER: SDL-PA1-60-730-U-T3-HSS

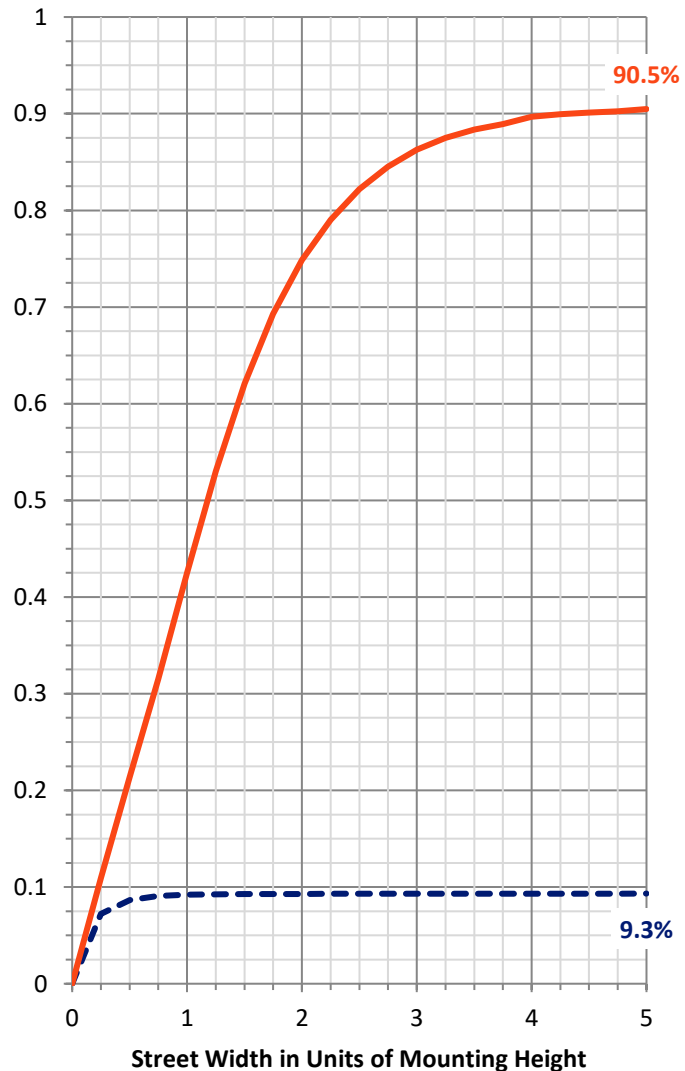
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	477.2	0.0	477.2
	% Fixture	9.4	0.0	9.4
Street Side	Lumens	4583.8	0.0	4583.8
	% Fixture	90.6	0.0	90.6
Total	Lumens	5060.9	0.0	5060.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.8	1.0
10°-20°	103.6	2.0
20°-30°	168.9	3.3
30°-40°	360.3	7.1
40°-50°	694.2	13.7
50°-60°	1148.2	22.7
60°-70°	1405.4	27.8
70°-80°	1029.6	20.3
80°-90°	98.9	2.0
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°	5060.9	100.0
0°-180°	5060.9	100.0



REPORT NUMBER: P560720

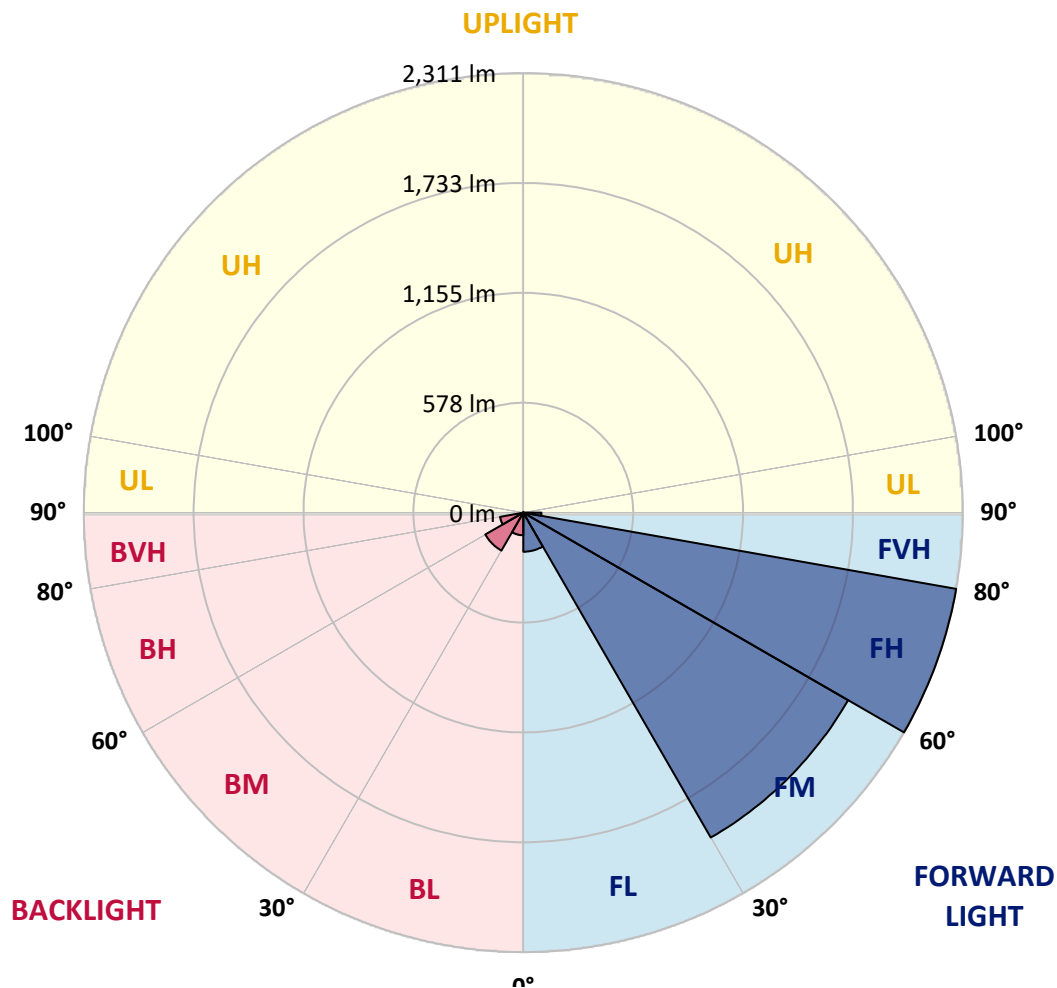
CATALOG NUMBER: SDL-PA1-60-730-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	205.5	4.1			
FM	(30°-60°)	1972.1	39.0			
FH	(60°-80°)	2310.8	45.7			G2/5000
FVH	(80°-90°)	95.4	1.9			G1/100
BL	(0°-30°)	118.8	2.3	B1/500		
BM	(30°-60°)	230.6	4.6	B1/1000		
BH	(60°-80°)	124.3	2.5	B1/500		G1/500
BVH	(80°-90°)	3.5	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Medium



REPORT NUMBER: P560720

CATALOG NUMBER: SDL-PA1-60-730-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	673.5	673.5	673.5	673.5	673.5	673.5	673.5	673.5	673.5	673.5	673.5
2.5°	598.9	616.3	626.3	636.2	633.7	631.2	636.2	641.2	651.1	658.6	663.6
5°	539.3	539.3	539.3	539.3	541.8	541.8	541.8	541.8	544.3	546.7	549.2
7.5°	467.2	477.2	482.1	487.1	499.5	509.5	519.4	529.4	534.3	536.8	539.3
10°	507.0	507.0	507.0	507.0	509.5	509.5	477.2	442.4	444.9	447.3	432.4
12.5°	420.0	417.5	444.9	469.7	487.1	502.0	484.6	464.7	434.9	402.6	397.6
15°	494.6	494.6	494.6	494.6	459.8	425.0	400.1	375.3	395.1	412.5	372.8
17.5°	390.2	400.1	429.9	459.8	459.8	459.8	437.4	415.0	372.8	328.0	375.3
20°	484.6	484.6	484.6	482.1	425.0	367.8	387.7	405.1	422.5	439.9	432.4
22.5°	402.6	397.6	405.1	412.5	429.9	444.9	395.1	343.0	400.1	454.8	427.5
25°	509.5	509.5	512.0	512.0	457.3	402.6	434.9	464.7	422.5	380.2	447.3
27.5°	459.8	444.9	442.4	437.4	454.8	469.7	447.3	425.0	472.2	519.4	497.0
30°	638.7	638.7	621.3	603.9	536.8	467.2	474.7	479.6	479.6	479.6	529.4
32.5°	887.2	889.7	822.6	753.0	693.4	631.2	576.6	519.4	549.2	579.1	611.4
35°	1195.4	1202.8	1155.6	1105.9	959.3	812.7	720.7	628.8	626.3	621.3	668.5
37.5°	1416.6	1431.5	1394.2	1356.9	1183.0	1009.0	877.3	745.6	733.1	718.2	735.6
40°	1625.3	1615.4	1593.0	1568.2	1384.3	1197.9	1053.7	907.1	874.8	840.0	842.5
42.5°	1896.2	1866.4	1809.2	1752.1	1575.6	1399.2	1245.1	1091.0	1038.8	986.6	976.7
45°	2246.6	2196.9	2114.9	2030.4	1856.5	1682.5	1493.6	1302.3	1237.6	1170.5	1155.6
47.5°	2425.6	2390.8	2338.6	2283.9	2105.0	1926.0	1744.6	1560.7	1471.2	1379.3	1354.4
50°	2636.8	2592.1	2557.3	2520.0	2365.9	2209.4	2040.4	1868.9	1749.6	1630.3	1588.1
52.5°	2838.1	2763.6	2731.3	2696.5	2574.7	2450.4	2274.0	2097.5	2020.5	1941.0	1839.1
55°	2910.2	2838.1	2823.2	2808.3	2721.3	2634.3	2472.8	2311.3	2221.8	2129.8	2047.8
57.5°	2753.6	2763.6	2808.3	2853.0	2803.3	2753.6	2621.9	2487.7	2388.3	2288.9	2241.7
60°	2646.8	2669.1	2736.2	2803.3	2803.3	2803.3	2731.3	2659.2	2564.7	2470.3	2438.0
62.5°	2475.3	2502.6	2604.5	2706.4	2771.0	2835.6	2758.6	2681.5	2649.2	2614.4	2584.6
65°	2249.1	2256.6	2370.9	2485.2	2619.4	2751.1	2679.1	2604.5	2666.6	2728.8	2698.9
67.5°	1988.2	2000.6	2107.5	2211.8	2370.9	2530.0	2510.1	2487.7	2624.4	2761.1	2758.6
70°	1677.5	1699.9	1791.8	1881.3	2060.2	2236.7	2256.6	2276.5	2512.6	2746.2	2790.9
72.5°	1287.3	1332.1	1401.7	1468.8	1650.2	1829.1	1903.7	1978.2	2316.2	2651.7	2778.5
75°	427.5	457.3	651.1	842.5	1026.4	1210.3	1374.3	1535.9	1958.4	2378.4	2641.8
77.5°	124.3	129.2	166.5	201.3	345.4	487.1	656.1	822.6	1235.2	1645.2	2082.6
80°	64.6	67.1	74.6	82.0	119.3	156.6	226.2	293.3	482.1	671.0	1130.8
82.5°	44.7	44.7	52.2	57.2	72.1	87.0	124.3	161.5	176.5	191.4	454.8
85°	14.9	14.9	19.9	24.9	34.8	44.7	67.1	87.0	87.0	84.5	121.8
87.5°	2.5	2.5	5.0	7.5	12.4	14.9	12.4	9.9	7.5	5.0	9.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P560720

CATALOG NUMBER: SDL-PA1-60-730-U-T3-HSS

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	673.5	673.5	673.5	673.5	673.5	673.5	673.5	673.5	673.5	673.5	673.5
2.5°	666.0	668.5	668.5	668.5	671.0	671.0	671.0	671.0	668.5	671.0	671.0
5°	549.2	594.0	636.2	648.6	656.1	658.6	658.6	658.6	656.1	656.1	656.1
7.5°	541.8	539.3	536.8	516.9	564.1	574.1	581.5	579.1	579.1	566.6	551.7
10°	417.5	417.5	417.5	422.5	449.8	482.1	514.4	514.4	514.4	477.2	439.9
12.5°	390.2	405.1	417.5	417.5	372.8	410.1	447.3	447.3	447.3	410.1	370.3
15°	333.0	350.4	365.3	390.2	464.7	509.5	554.2	554.2	551.7	509.5	464.7
17.5°	420.0	415.0	407.6	452.3	425.0	432.4	439.9	417.5	449.8	437.4	425.0
20°	425.0	380.2	333.0	427.5	524.4	566.6	608.9	611.4	603.9	556.7	507.0
22.5°	400.1	457.3	512.0	452.3	467.2	457.3	444.9	439.9	439.9	437.4	434.9
25°	512.0	457.3	402.6	529.4	618.8	648.6	678.5	671.0	661.1	594.0	526.9
27.5°	472.2	526.9	579.1	628.8	673.5	700.8	728.2	805.2	700.8	623.8	544.3
30°	576.6	643.7	708.3	780.4	917.0	956.8	996.6	976.7	951.8	802.7	653.6
32.5°	641.2	748.1	852.4	884.7	966.7	1004.0	1038.8	1021.4	991.6	795.3	598.9
35°	713.3	812.7	909.6	961.8	1061.2	1091.0	1118.3	1091.0	1058.7	787.8	516.9
37.5°	753.0	887.2	1018.9	1108.4	1192.9	1200.4	1205.3	1180.5	1138.2	787.8	437.4
40°	845.0	989.1	1130.8	1260.0	1327.1	1329.6	1332.1	1292.3	1215.3	780.4	343.0
42.5°	966.7	1113.4	1257.5	1399.2	1488.6	1481.2	1471.2	1416.6	1289.8	767.9	246.0
45°	1140.7	1269.9	1399.2	1558.2	1667.6	1647.7	1625.3	1543.3	1342.0	755.5	166.5
47.5°	1327.1	1429.0	1528.4	1747.1	1886.3	1844.0	1799.3	1680.0	1379.3	750.5	119.3
50°	1543.3	1625.3	1707.3	1945.9	2112.4	2032.9	1953.4	1816.7	1394.2	745.6	94.4
52.5°	1734.7	1819.2	1901.2	2179.5	2306.3	2216.8	2127.3	1923.6	1386.8	735.6	82.0
55°	1963.3	2037.9	2112.4	2403.2	2505.1	2385.8	2264.0	2000.6	1349.5	713.3	74.6
57.5°	2192.0	2269.0	2343.6	2626.9	2656.7	2539.9	2420.6	2075.2	1312.2	690.9	67.1
60°	2405.7	2492.7	2579.7	2778.5	2800.8	2696.5	2592.1	2147.2	1252.5	656.1	59.6
62.5°	2554.8	2674.1	2793.4	2927.6	2937.5	2843.1	2746.2	2201.9	1175.5	616.3	54.7
65°	2666.6	2830.7	2992.2	3074.2	3069.2	3002.1	2935.0	2249.1	1113.4	579.1	44.7
67.5°	2753.6	2952.4	3151.3	3205.9	3218.4	3156.2	3094.1	2256.6	1036.3	536.8	34.8
70°	2835.6	3054.3	3273.0	3377.4	3352.6	3255.6	3158.7	2199.4	932.0	479.6	24.9
72.5°	2902.7	3131.4	3360.0	3479.3	3419.7	3213.4	3007.1	2005.6	780.4	400.1	17.4
75°	2902.7	3131.4	3357.5	3459.4	3255.6	2845.6	2433.0	1493.6	457.3	236.1	14.9
77.5°	2520.0	2686.5	2853.0	2838.1	2480.2	1970.8	1458.8	859.9	154.1	84.5	12.4
80°	1590.5	1699.9	1809.2	1754.6	1267.5	909.6	549.2	288.3	54.7	32.3	9.9
82.5°	718.2	705.8	693.4	534.3	248.5	166.5	82.0	49.7	14.9	9.9	5.0
85°	159.1	154.1	149.1	109.3	74.6	49.7	24.9	14.9	7.5	7.5	5.0
87.5°	14.9	17.4	17.4	12.4	12.4	9.9	5.0	5.0	5.0	5.0	5.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P560720

CATALOG NUMBER: SDL-PA1-60-730-U-T3-HSS

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	673.5	673.5	673.5	673.5	673.5	673.5	673.5	673.5	673.5	673.5	673.5
2.5°	671.0	671.0	671.0	668.5	668.5	668.5	651.1	631.2	618.8	603.9	596.5
5°	633.7	611.4	584.0	556.7	551.7	544.3	546.7	546.7	549.2	549.2	549.2
7.5°	539.3	526.9	531.8	536.8	536.8	536.8	536.8	534.3	531.8	529.4	504.5
10°	429.9	420.0	420.0	420.0	427.5	432.4	420.0	405.1	427.5	447.3	442.4
12.5°	395.1	420.0	387.7	352.9	357.9	360.4	360.4	357.9	347.9	338.0	303.2
15°	412.5	360.4	330.5	298.2	298.2	298.2	241.1	183.9	171.5	159.1	161.5
17.5°	395.1	365.3	330.5	293.3	221.2	146.6	139.2	129.2	129.2	129.2	131.7
20°	397.6	288.3	243.6	198.8	159.1	116.8	109.3	99.4	94.4	87.0	101.9
22.5°	390.2	343.0	233.6	124.3	109.3	94.4	87.0	77.0	89.5	101.9	101.9
25°	377.8	226.2	169.0	109.3	92.0	74.6	84.5	92.0	87.0	79.5	92.0
27.5°	380.2	213.7	146.6	79.5	84.5	87.0	82.0	74.6	82.0	87.0	82.0
30°	410.1	166.5	124.3	79.5	77.0	72.1	74.6	77.0	74.6	69.6	74.6
32.5°	365.3	131.7	104.4	74.6	72.1	69.6	67.1	64.6	67.1	67.1	67.1
35°	308.2	99.4	84.5	69.6	64.6	59.6	59.6	57.2	57.2	57.2	57.2
37.5°	260.9	84.5	74.6	62.1	57.2	52.2	49.7	44.7	44.7	42.2	42.2
40°	211.2	77.0	67.1	54.7	49.7	42.2	39.8	34.8	34.8	32.3	32.3
42.5°	159.1	69.6	59.6	47.2	42.2	34.8	29.8	24.9	24.9	22.4	22.4
45°	114.3	62.1	52.2	39.8	34.8	27.3	22.4	17.4	17.4	14.9	14.9
47.5°	89.5	57.2	47.2	34.8	27.3	19.9	17.4	12.4	12.4	12.4	12.4
50°	72.1	49.7	39.8	27.3	19.9	12.4	9.9	7.5	7.5	7.5	7.5
52.5°	64.6	44.7	34.8	22.4	17.4	9.9	7.5	5.0	7.5	7.5	7.5
55°	57.2	39.8	29.8	17.4	12.4	7.5	7.5	5.0	7.5	7.5	7.5
57.5°	52.2	34.8	24.9	12.4	9.9	5.0	5.0	2.5	5.0	5.0	5.0
60°	44.7	29.8	19.9	9.9	7.5	2.5	2.5	2.5	5.0	5.0	5.0
62.5°	39.8	24.9	17.4	7.5	5.0	2.5	2.5	2.5	5.0	5.0	5.0
65°	32.3	17.4	12.4	5.0	5.0	2.5	2.5	2.5	5.0	5.0	5.0
67.5°	24.9	12.4	9.9	5.0	5.0	2.5	2.5	2.5	5.0	5.0	2.5
70°	17.4	9.9	7.5	2.5	2.5	2.5	2.5	2.5	5.0	5.0	2.5
72.5°	12.4	7.5	5.0	2.5	2.5	0.0	2.5	2.5	5.0	5.0	5.0
75°	12.4	7.5	5.0	2.5	2.5	0.0	2.5	5.0	5.0	5.0	5.0
77.5°	9.9	5.0	5.0	2.5	2.5	0.0	2.5	5.0	5.0	5.0	5.0
80°	7.5	5.0	5.0	2.5	2.5	0.0	5.0	7.5	7.5	7.5	5.0
82.5°	5.0	5.0	5.0	2.5	2.5	0.0	5.0	7.5	7.5	7.5	5.0
85°	5.0	5.0	5.0	5.0	2.5	0.0	5.0	7.5	7.5	7.5	7.5
87.5°	5.0	5.0	5.0	5.0	5.0	2.5	7.5	9.9	9.9	7.5	7.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P560720

CATALOG NUMBER: SDL-PA1-60-730-U-T3-HSS

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	673.5	673.5	673.5	673.5
2.5°	586.5	586.5	584.0	591.5
5°	549.2	549.2	549.2	551.7
7.5°	477.2	459.8	442.4	444.9
10°	434.9	429.9	422.5	427.5
12.5°	268.4	253.5	236.1	228.6
15°	164.0	164.0	164.0	161.5
17.5°	134.2	124.3	111.8	114.3
20°	116.8	119.3	121.8	121.8
22.5°	101.9	96.9	92.0	92.0
25°	101.9	101.9	101.9	101.9
27.5°	77.0	77.0	74.6	74.6
30°	79.5	79.5	77.0	74.6
32.5°	64.6	64.6	64.6	64.6
35°	54.7	52.2	49.7	49.7
37.5°	42.2	39.8	37.3	37.3
40°	29.8	29.8	27.3	27.3
42.5°	22.4	22.4	19.9	19.9
45°	14.9	14.9	14.9	14.9
47.5°	9.9	9.9	9.9	9.9
50°	7.5	7.5	7.5	7.5
52.5°	7.5	7.5	5.0	5.0
55°	5.0	5.0	5.0	5.0
57.5°	5.0	5.0	5.0	5.0
60°	5.0	5.0	2.5	2.5
62.5°	2.5	2.5	2.5	2.5
65°	2.5	2.5	0.0	0.0
67.5°	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0
72.5°	2.5	2.5	0.0	0.0
75°	2.5	2.5	0.0	0.0
77.5°	2.5	2.5	0.0	0.0
80°	2.5	2.5	0.0	0.0
82.5°	2.5	2.5	2.5	0.0
85°	5.0	5.0	2.5	0.0
87.5°	5.0	5.0	2.5	0.0
90°	0.0	0.0	0.0	0.0



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