

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: P560716

Luminaire Tested: **SDL-PA1-60-730-U-T2U-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560716
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-6)
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-T2U-HSS
Description: Springdale
(1) 70 CRI, 3000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4932.1 lumens
Efficiency: N/A
Efficacy: 79.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

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



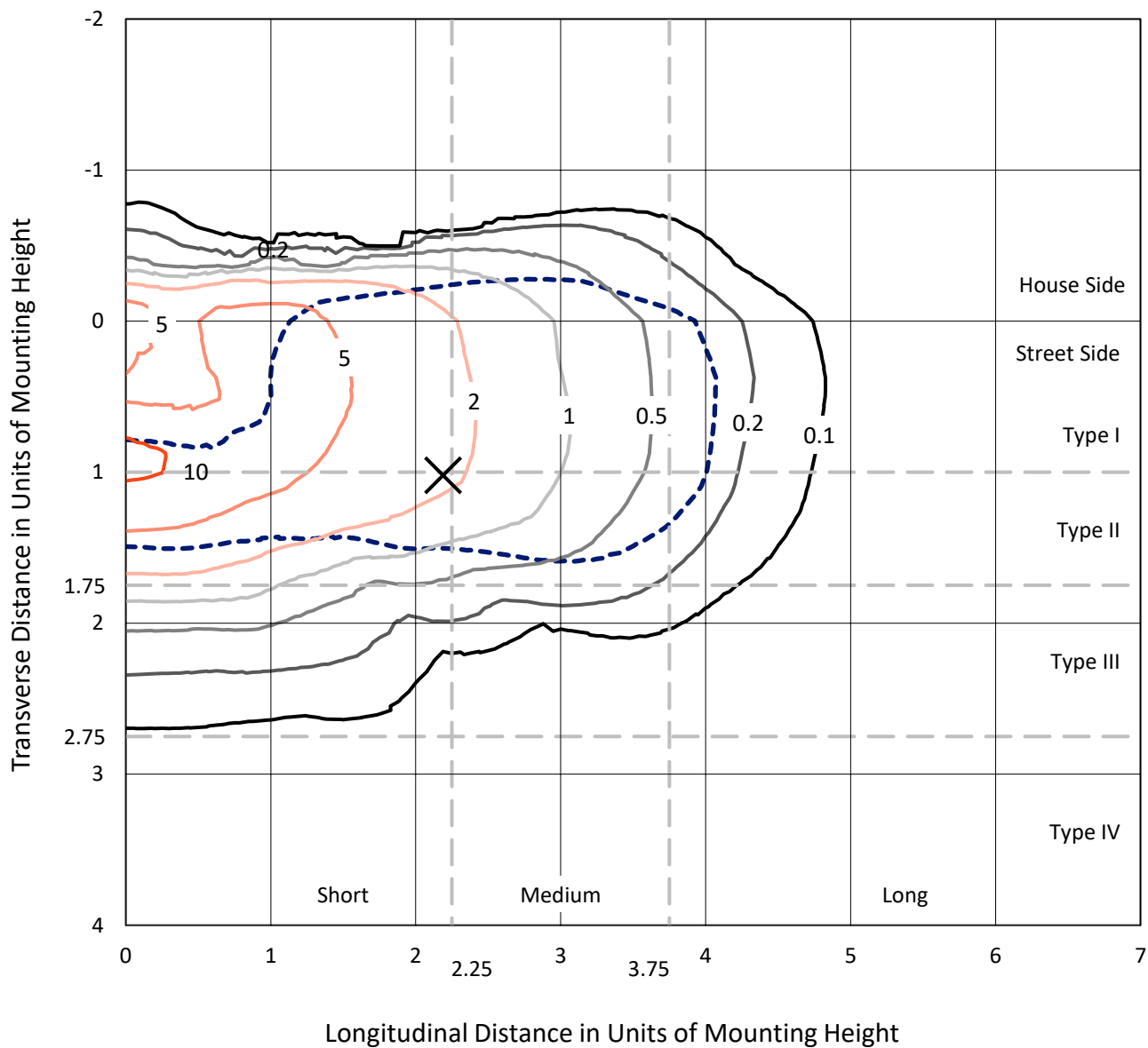
REPORT NUMBER: P560716

CATALOG NUMBER: SDL-PA1-60-730-U-T2U-HSS

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



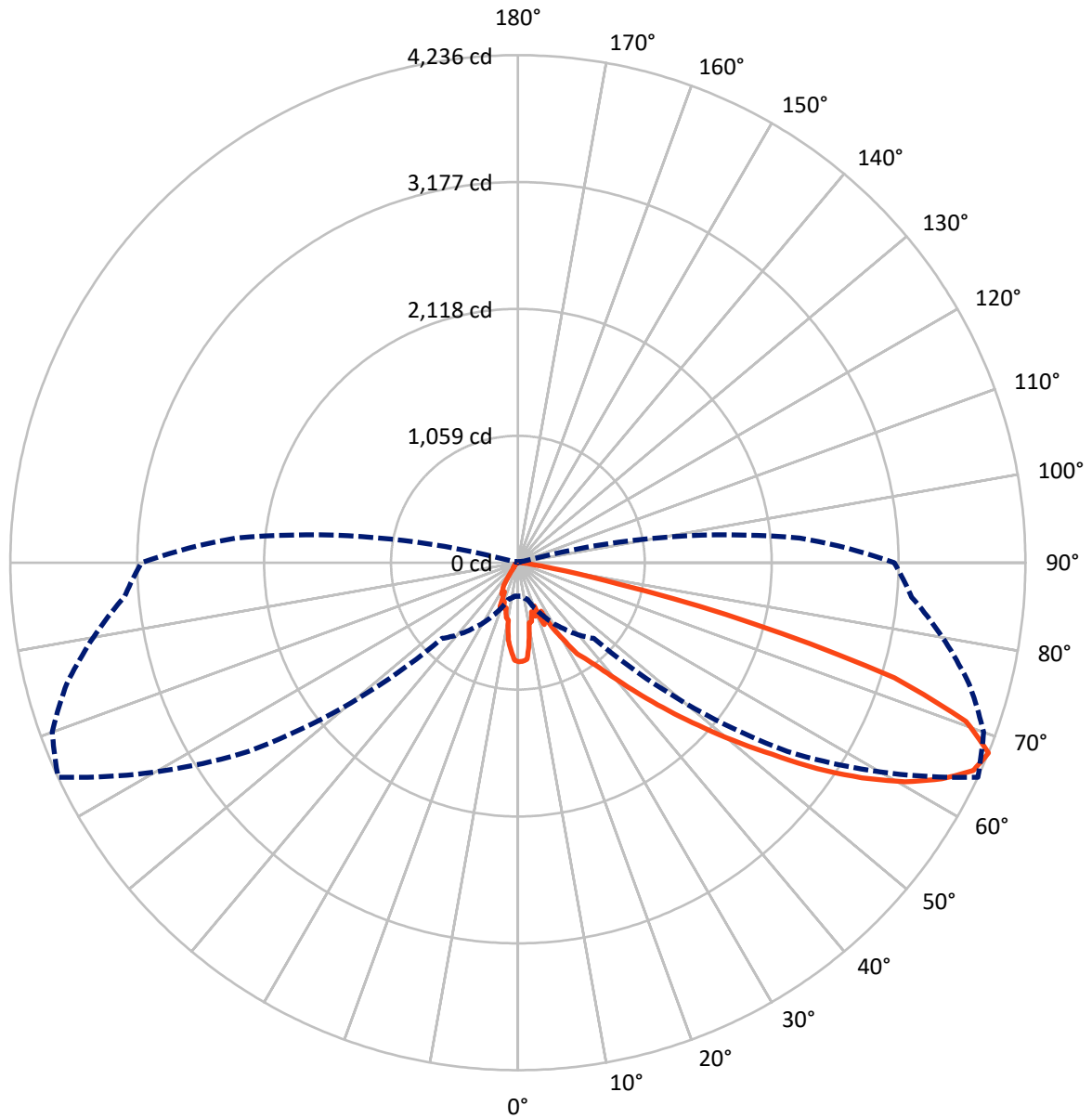
Based on 10 foot mounting height. Maximum calculated value = 10.9 fc

Type II - Short - N/A

REPORT NUMBER: P560716

CATALOG NUMBER: SDL-PA1-60-730-U-T2U-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P560716

CATALOG NUMBER: SDL-PA1-60-730-U-T2U-HSS

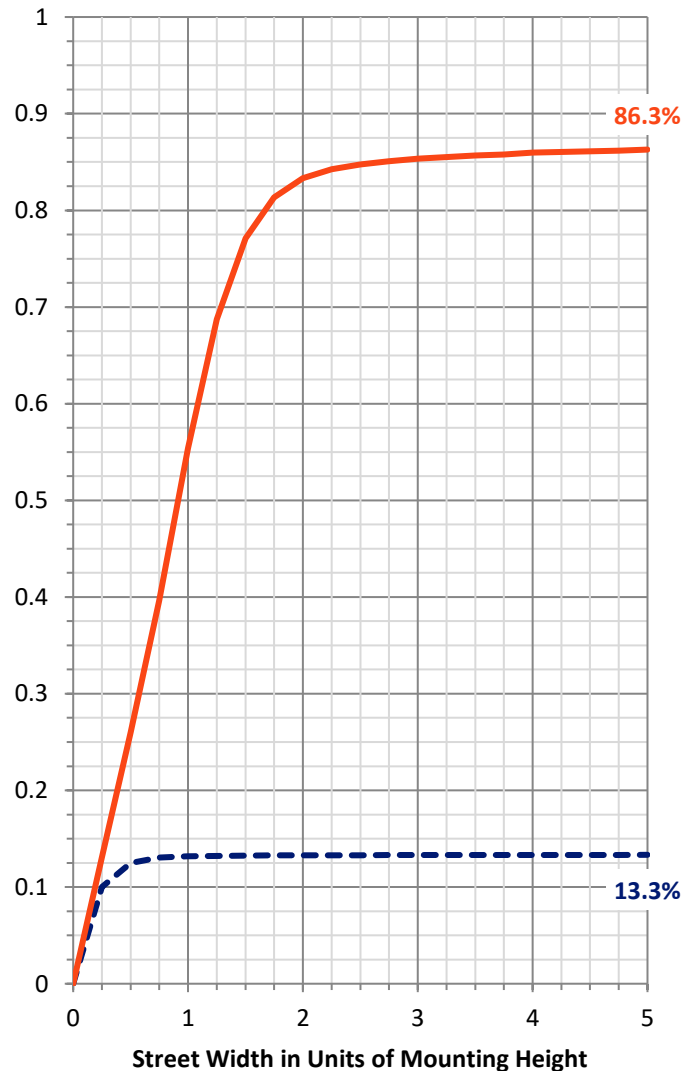
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	666.9	0.0	666.9
	% Fixture	13.5	0.0	13.5
Street Side	Lumens	4265.2	0.0	4265.2
	% Fixture	86.5	0.0	86.5
Total	Lumens	4932.1	0.0	4932.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.4	1.3
10°-20°	122.6	2.5
20°-30°	185.1	3.8
30°-40°	426.4	8.6
40°-50°	935.4	19.0
50°-60°	1373.2	27.8
60°-70°	1192.7	24.2
70°-80°	591.4	12.0
80°-90°	42.0	0.9
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°	4932.1	100.0
0°-180°	4932.1	100.0



REPORT NUMBER: P560716

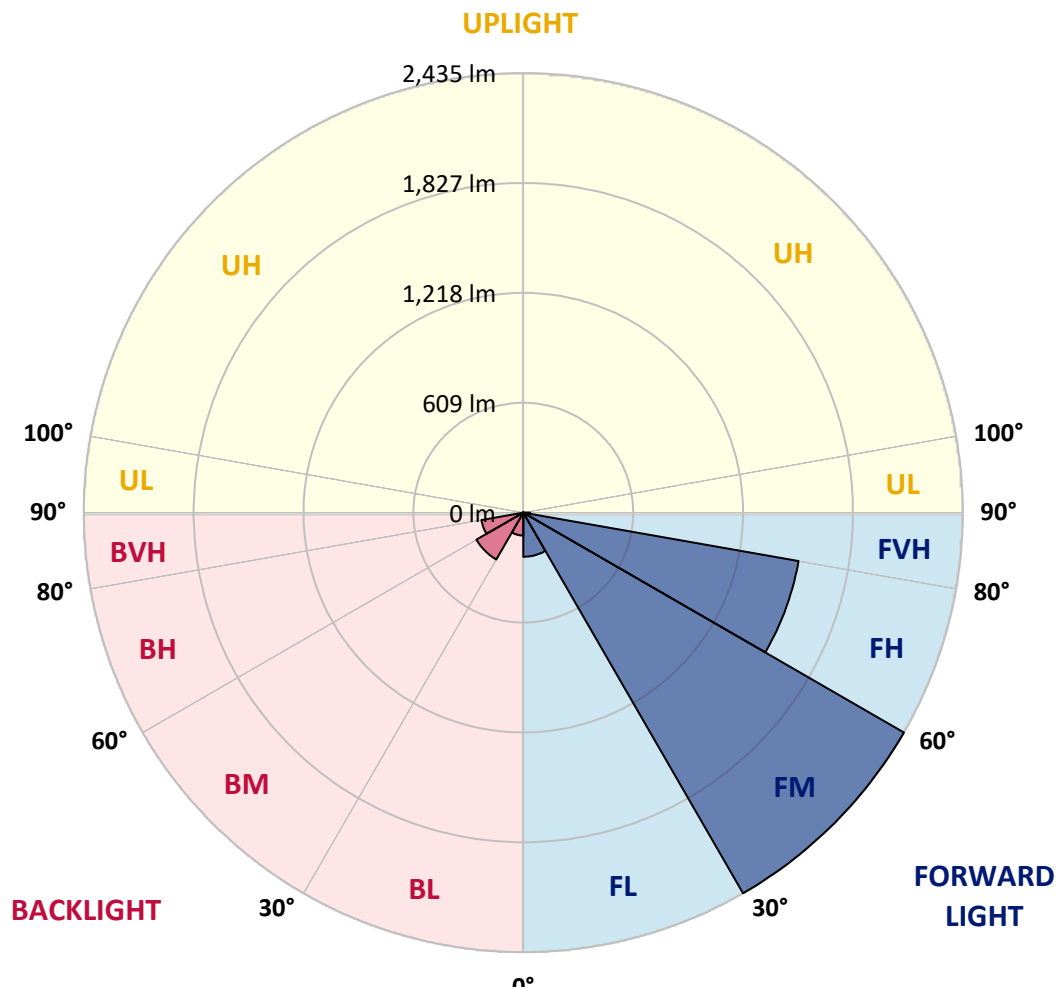
CATALOG NUMBER: SDL-PA1-60-730-U-T2U-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	244.4	5.0			
FM	(30°-60°)	2435.4	49.4			
FH	(60°-80°)	1548.4	31.4			G1/1800
FVH	(80°-90°)	36.9	0.7			G1/100
BL	(0°-30°)	126.7	2.6	B1/500		
BM	(30°-60°)	299.5	6.1	B1/1000		
BH	(60°-80°)	235.6	4.8	B1/500		G1/500
BVH	(80°-90°)	5.1	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-G1

Type II Short





REPORT NUMBER: P560716

CATALOG NUMBER: SDL-PA1-60-730-U-T2U-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	825.7	825.7	825.7	825.7	825.7	825.7	825.7	825.7	825.7	825.7	825.7
2.5°	691.4	748.6	766.0	783.5	798.4	813.3	815.8	818.3	823.3	825.7	828.2
5°	676.5	679.0	679.0	676.5	679.0	681.5	681.5	681.5	681.5	681.5	684.0
7.5°	542.2	606.9	626.8	644.2	654.1	661.6	666.6	669.0	671.5	674.0	676.5
10°	654.1	651.6	654.1	654.1	656.6	656.6	599.4	542.2	562.1	579.5	549.7
12.5°	519.8	572.0	594.4	616.8	631.7	644.2	619.3	591.9	539.7	485.0	487.5
15°	626.8	626.8	626.8	626.8	579.5	529.8	497.4	462.6	490.0	514.8	465.1
17.5°	504.9	504.9	549.7	594.4	594.4	591.9	559.6	524.8	455.2	385.5	447.7
20°	624.3	624.3	626.8	629.3	547.2	465.1	492.5	517.3	527.3	537.2	514.8
22.5°	509.9	509.9	517.3	522.3	552.1	582.0	502.4	422.8	487.5	552.1	507.4
25°	659.1	661.6	666.6	669.0	594.4	517.3	552.1	587.0	517.3	447.7	517.3
27.5°	596.9	587.0	587.0	584.5	609.4	631.7	582.0	532.3	577.0	621.8	569.6
30°	838.2	830.7	820.8	810.8	716.3	621.8	624.3	624.3	606.9	589.5	619.3
32.5°	1161.5	1149.1	1064.5	979.9	910.3	840.7	768.5	696.4	721.3	743.7	728.7
35°	1559.5	1559.5	1479.9	1400.3	1243.6	1086.9	965.0	840.7	830.7	820.8	835.7
37.5°	2032.0	1982.3	1887.8	1793.2	1599.2	1402.8	1216.2	1029.7	1007.3	982.4	957.6
40°	2382.7	2375.2	2303.1	2231.0	1992.2	1753.4	1534.6	1313.2	1241.1	1166.5	1111.8
42.5°	2748.3	2721.0	2663.8	2604.1	2362.8	2119.1	1885.3	1649.0	1549.5	1450.0	1353.0
45°	3012.0	3004.5	2954.7	2905.0	2708.5	2509.5	2265.8	2019.6	1954.9	1890.2	1708.7
47.5°	3176.1	3133.8	3113.9	3091.5	2922.4	2753.3	2546.9	2337.9	2328.0	2315.5	2086.7
50°	3126.4	3089.1	3094.0	3099.0	3016.9	2934.9	2778.2	2619.0	2646.3	2673.7	2484.7
52.5°	2862.7	2830.4	2875.2	2917.4	2915.0	2912.5	2855.3	2795.6	2895.1	2992.1	2862.7
55°	2335.4	2357.8	2447.4	2536.9	2596.6	2653.8	2735.9	2815.5	3004.5	3191.0	3166.2
57.5°	1830.6	1880.3	1972.3	2061.9	2158.9	2253.4	2427.5	2601.6	2919.9	3235.8	3345.2
60°	1228.7	1261.0	1422.7	1581.8	1671.4	1760.9	1949.9	2136.5	2569.2	2999.5	3285.5
62.5°	763.6	781.0	873.0	965.0	1146.6	1328.1	1422.7	1514.7	1982.3	2447.4	2977.1
65°	470.1	465.1	502.4	537.2	716.3	892.9	955.1	1014.8	1325.7	1634.1	2457.3
67.5°	281.0	278.6	298.5	318.4	400.4	482.5	579.5	676.5	785.9	892.9	1820.6
70°	228.8	233.8	241.3	248.7	271.1	293.5	383.0	472.6	470.1	467.6	1094.4
72.5°	191.5	196.5	211.4	223.8	241.3	256.2	308.4	358.2	335.8	313.4	522.3
75°	141.8	144.3	164.2	181.6	208.9	233.8	246.2	256.2	246.2	236.3	263.6
77.5°	94.5	94.5	111.9	129.3	156.7	184.0	199.0	213.9	196.5	179.1	186.5
80°	59.7	59.7	69.6	77.1	104.5	131.8	149.2	166.6	151.7	134.3	131.8
82.5°	34.8	37.3	42.3	47.3	64.7	82.1	94.5	106.9	124.4	139.3	111.9
85°	14.9	17.4	22.4	24.9	34.8	42.3	49.7	57.2	72.1	87.1	72.1
87.5°	2.5	2.5	5.0	7.5	9.9	12.4	12.4	12.4	12.4	9.9	12.4
90°	0.0	0.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	5.0



REPORT NUMBER: P560716

CATALOG NUMBER: SDL-PA1-60-730-U-T2U-HSS

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	825.7	825.7	825.7	825.7	825.7	825.7	825.7	825.7	825.7	825.7	825.7
2.5°	828.2	825.7	823.3	823.3	823.3	820.8	818.3	818.3	818.3	815.8	813.3
5°	684.0	746.1	808.3	810.8	815.8	813.3	810.8	808.3	805.8	803.4	798.4
7.5°	676.5	671.5	666.6	649.1	708.8	708.8	706.4	706.4	701.4	681.5	661.6
10°	517.3	514.8	509.9	517.3	529.8	572.0	611.8	609.4	601.9	554.6	507.4
12.5°	490.0	497.4	504.9	480.0	432.8	472.6	512.4	507.4	502.4	460.1	415.4
15°	415.4	420.3	425.3	465.1	537.2	574.5	609.4	604.4	599.4	549.7	497.4
17.5°	509.9	490.0	470.1	497.4	472.6	490.0	507.4	487.5	472.6	452.7	432.8
20°	490.0	437.7	385.5	465.1	557.1	587.0	616.8	609.4	594.4	547.2	497.4
22.5°	460.1	512.4	562.1	537.2	492.5	465.1	437.7	425.3	415.4	417.8	420.3
25°	584.5	517.3	447.7	567.1	639.2	649.1	656.6	634.2	609.4	557.1	502.4
27.5°	514.8	564.6	611.8	659.1	684.0	691.4	696.4	728.7	676.5	606.9	537.2
30°	649.1	691.4	733.7	838.2	922.7	937.7	952.6	915.3	873.0	788.4	703.9
32.5°	713.8	810.8	905.3	955.1	989.9	1002.3	1014.8	965.0	917.8	808.3	696.4
35°	848.1	920.2	992.4	1049.6	1116.7	1119.2	1121.7	1067.0	1007.3	848.1	688.9
37.5°	930.2	1024.7	1116.7	1181.4	1285.9	1278.4	1270.9	1206.3	1134.1	910.3	686.5
40°	1054.6	1176.4	1295.8	1358.0	1484.8	1462.5	1440.1	1365.5	1285.9	977.5	669.0
42.5°	1256.0	1385.3	1514.7	1566.9	1706.2	1681.3	1654.0	1554.5	1452.5	1032.2	611.8
45°	1524.6	1641.5	1758.4	1850.4	1959.9	1920.1	1880.3	1773.3	1624.1	1079.4	534.7
47.5°	1855.4	1942.5	2029.5	2211.1	2290.7	2211.1	2129.0	1999.7	1810.7	1119.2	427.8
50°	2295.7	2315.5	2333.0	2559.3	2638.9	2517.0	2395.1	2228.5	2002.2	1164.0	323.3
52.5°	2730.9	2693.6	2653.8	2897.5	2927.4	2765.7	2601.6	2427.5	2143.9	1188.9	231.3
55°	3141.3	3089.1	3034.3	3208.4	3188.5	2974.6	2760.7	2549.3	2231.0	1196.3	161.7
57.5°	3454.7	3422.3	3387.5	3467.1	3392.5	3141.3	2890.1	2678.7	2295.7	1208.8	119.4
60°	3569.1	3641.2	3713.3	3703.4	3566.6	3300.5	3034.3	2810.5	2335.4	1213.7	89.5
62.5°	3506.9	3740.7	3972.0	3877.5	3710.8	3429.8	3146.3	2929.9	2352.9	1211.2	69.6
65°	3280.6	3730.7	4178.4	4021.7	3812.8	3531.8	3250.7	3056.7	2372.8	1213.7	54.7
67.5°	2745.8	3492.0	4235.6	4136.2	3897.4	3598.9	3298.0	3141.3	2362.8	1203.8	44.8
70°	1718.6	2842.8	3967.0	4044.1	3897.4	3569.1	3240.8	3116.4	2273.3	1154.0	34.8
72.5°	728.7	2007.1	3285.5	3621.3	3723.3	3404.9	3086.6	2932.4	2081.8	1054.6	27.4
75°	288.5	1154.0	2019.6	2551.8	2865.2	2730.9	2594.1	2387.7	1365.5	693.9	19.9
77.5°	194.0	527.3	860.6	1253.5	1494.8	1547.0	1599.2	1363.0	544.7	281.0	14.9
80°	129.3	211.4	293.5	450.2	537.2	507.4	475.0	390.5	166.6	89.5	12.4
82.5°	82.1	109.4	136.8	154.2	159.2	114.4	69.6	57.2	19.9	14.9	7.5
85°	54.7	64.7	74.6	77.1	77.1	54.7	29.8	14.9	7.5	7.5	5.0
87.5°	14.9	17.4	17.4	17.4	12.4	9.9	7.5	5.0	5.0	5.0	5.0
90°	7.5	9.9	9.9	9.9	7.5	7.5	5.0	5.0	5.0	5.0	5.0

REPORT NUMBER: P560716

CATALOG NUMBER: SDL-PA1-60-730-U-T2U-HSS

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	825.7	825.7	825.7	825.7	825.7	825.7	825.7	825.7	825.7	825.7	825.7
2.5°	813.3	813.3	810.8	808.3	808.3	805.8	781.0	753.6	728.7	701.4	698.9
5°	766.0	731.2	698.9	666.6	661.6	654.1	654.1	651.6	651.6	649.1	649.1
7.5°	656.6	651.6	646.7	641.7	639.2	634.2	631.7	626.8	624.3	619.3	591.9
10°	497.4	485.0	485.0	482.5	487.5	492.5	490.0	485.0	517.3	549.7	547.2
12.5°	442.7	467.6	445.2	420.3	427.8	432.8	440.2	447.7	445.2	440.2	402.9
15°	445.2	390.5	373.1	353.2	363.1	370.6	305.9	238.8	226.3	213.9	199.0
17.5°	415.4	397.9	385.5	370.6	283.5	194.0	174.1	154.2	136.8	116.9	114.4
20°	420.3	340.7	318.4	293.5	226.3	159.2	121.9	84.6	74.6	64.7	74.6
22.5°	410.4	397.9	291.0	184.0	136.8	89.5	74.6	57.2	62.2	67.2	67.2
25°	385.5	268.6	208.9	149.2	104.5	57.2	59.7	59.7	54.7	47.3	52.2
27.5°	417.8	296.0	189.0	79.6	69.6	57.2	52.2	44.8	44.8	44.8	42.3
30°	482.5	258.7	161.7	64.7	54.7	44.8	42.3	39.8	37.3	32.3	34.8
32.5°	457.6	218.9	136.8	54.7	47.3	39.8	34.8	29.8	29.8	29.8	29.8
35°	415.4	139.3	94.5	47.3	39.8	32.3	29.8	24.9	24.9	24.9	24.9
37.5°	388.0	89.5	64.7	37.3	32.3	27.4	24.9	19.9	19.9	19.9	22.4
40°	365.6	62.2	47.3	32.3	27.4	19.9	17.4	14.9	17.4	17.4	17.4
42.5°	333.3	52.2	39.8	27.4	22.4	17.4	14.9	12.4	14.9	14.9	14.9
45°	291.0	47.3	34.8	22.4	19.9	14.9	12.4	9.9	12.4	12.4	12.4
47.5°	233.8	39.8	29.8	19.9	17.4	12.4	12.4	9.9	9.9	9.9	9.9
50°	181.6	37.3	27.4	17.4	14.9	9.9	9.9	7.5	9.9	9.9	9.9
52.5°	131.8	32.3	24.9	14.9	12.4	7.5	7.5	7.5	7.5	7.5	7.5
55°	94.5	27.4	19.9	12.4	9.9	7.5	7.5	5.0	7.5	7.5	7.5
57.5°	72.1	24.9	17.4	9.9	7.5	5.0	5.0	5.0	5.0	5.0	5.0
60°	57.2	22.4	17.4	9.9	7.5	5.0	5.0	2.5	5.0	5.0	5.0
62.5°	44.8	17.4	14.9	9.9	7.5	5.0	5.0	2.5	5.0	5.0	5.0
65°	34.8	14.9	12.4	7.5	5.0	2.5	2.5	2.5	5.0	5.0	5.0
67.5°	29.8	12.4	9.9	7.5	5.0	2.5	5.0	5.0	5.0	5.0	5.0
70°	24.9	12.4	9.9	7.5	5.0	2.5	5.0	5.0	7.5	7.5	5.0
72.5°	19.9	9.9	7.5	5.0	5.0	2.5	5.0	5.0	7.5	7.5	5.0
75°	14.9	7.5	7.5	5.0	5.0	2.5	5.0	7.5	7.5	7.5	5.0
77.5°	12.4	7.5	7.5	5.0	5.0	2.5	5.0	7.5	7.5	7.5	7.5
80°	9.9	5.0	5.0	5.0	2.5	0.0	5.0	9.9	9.9	7.5	7.5
82.5°	7.5	5.0	5.0	5.0	2.5	0.0	5.0	9.9	9.9	7.5	7.5
85°	5.0	5.0	5.0	5.0	5.0	2.5	7.5	9.9	9.9	7.5	7.5
87.5°	5.0	5.0	5.0	5.0	5.0	2.5	5.0	7.5	7.5	7.5	7.5
90°	5.0	5.0	7.5	7.5	5.0	2.5	5.0	7.5	7.5	7.5	7.5



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	825.7	825.7	825.7	825.7
2.5°	693.9	698.9	701.4	696.4
5°	646.7	646.7	644.2	651.6
7.5°	562.1	547.2	529.8	517.3
10°	542.2	529.8	517.3	519.8
12.5°	363.1	325.8	288.5	300.9
15°	184.0	174.1	164.2	164.2
17.5°	109.4	99.5	87.1	89.5
20°	82.1	82.1	82.1	82.1
22.5°	64.7	62.2	57.2	54.7
25°	54.7	54.7	54.7	54.7
27.5°	39.8	39.8	37.3	34.8
30°	34.8	34.8	34.8	32.3
32.5°	27.4	29.8	29.8	29.8
35°	24.9	24.9	24.9	24.9
37.5°	22.4	22.4	19.9	19.9
40°	17.4	17.4	17.4	17.4
42.5°	14.9	14.9	14.9	14.9
45°	12.4	12.4	12.4	12.4
47.5°	9.9	9.9	9.9	9.9
50°	9.9	9.9	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	2.5	2.5
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°	2.5	2.5	0.0	0.0
70°	2.5	2.5	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°	5.0	2.5	0.0	0.0
80°	5.0	5.0	2.5	0.0
82.5°	5.0	5.0	2.5	0.0
85°	5.0	5.0	2.5	0.0
87.5°	5.0	5.0	2.5	0.0
90°	5.0	5.0	2.5	0.0



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