

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: P561243

Luminaire Tested: **SDL-PA1-90-730-U-T2U-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561243
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-5)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-90-730-U-T2U-HSS-A
Description: Springdale
(1) 70 CRI, 3000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS,
HOUSE SIDE SHIELD AND CLEARPANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6329.4 lumens
Efficiency: N/A
Efficacy: 68.5 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 - U3 - G2

Input Watts (W): 92.4
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



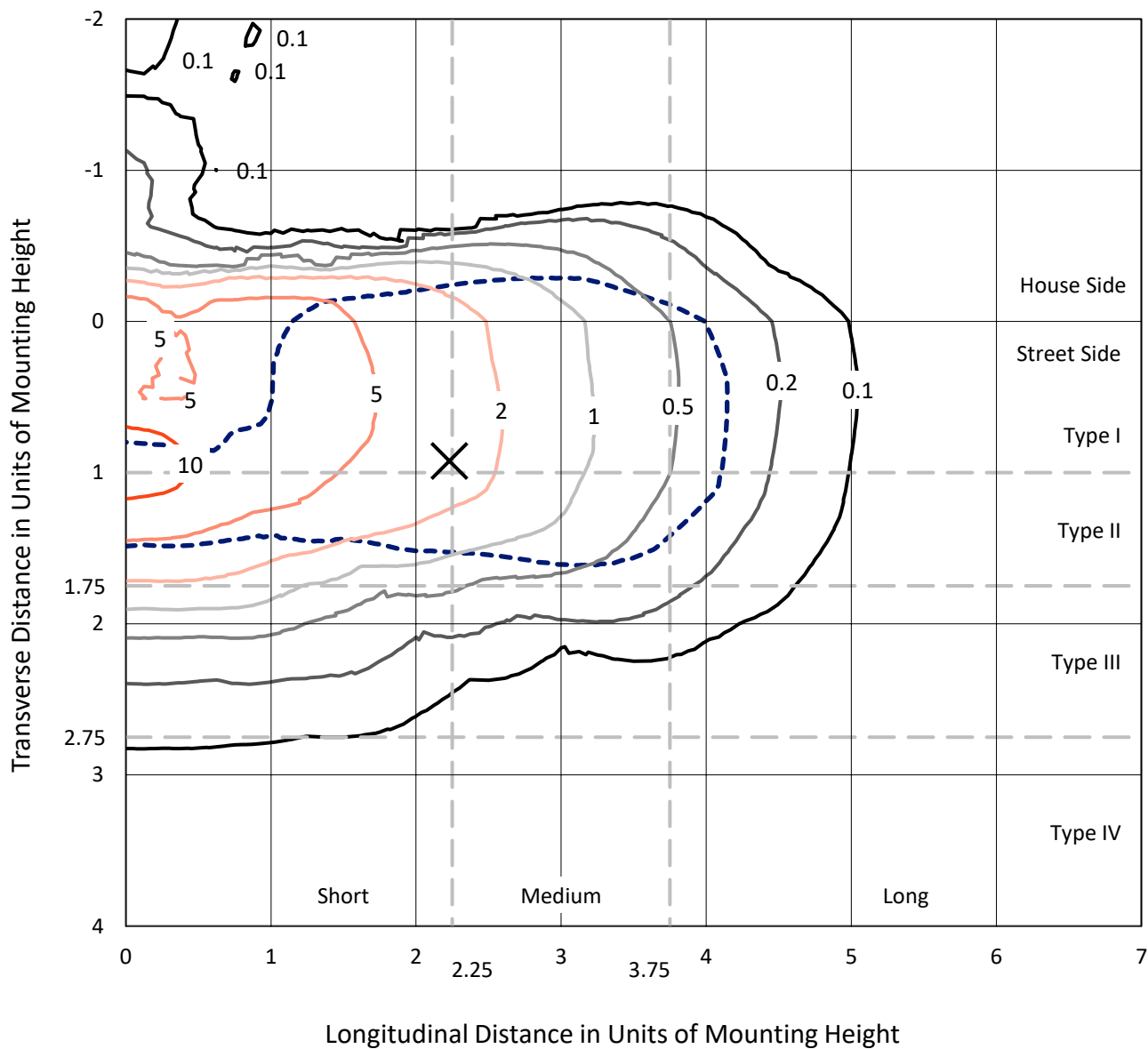
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



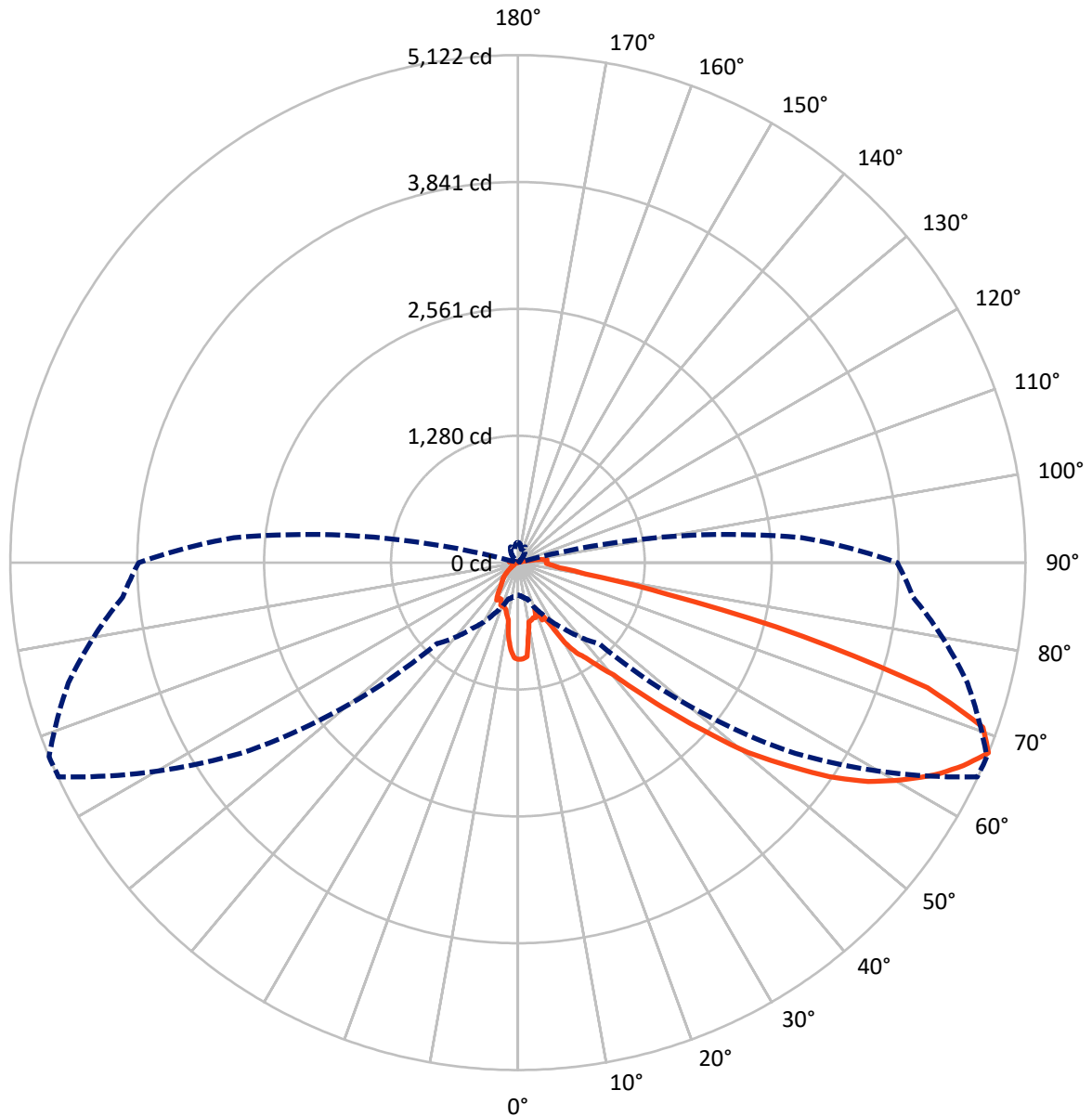
Based on 10 foot mounting height. Maximum calculated value = 12.8 fc

Type II - Short - N/A

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Luminous Intensity Polar Plot



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

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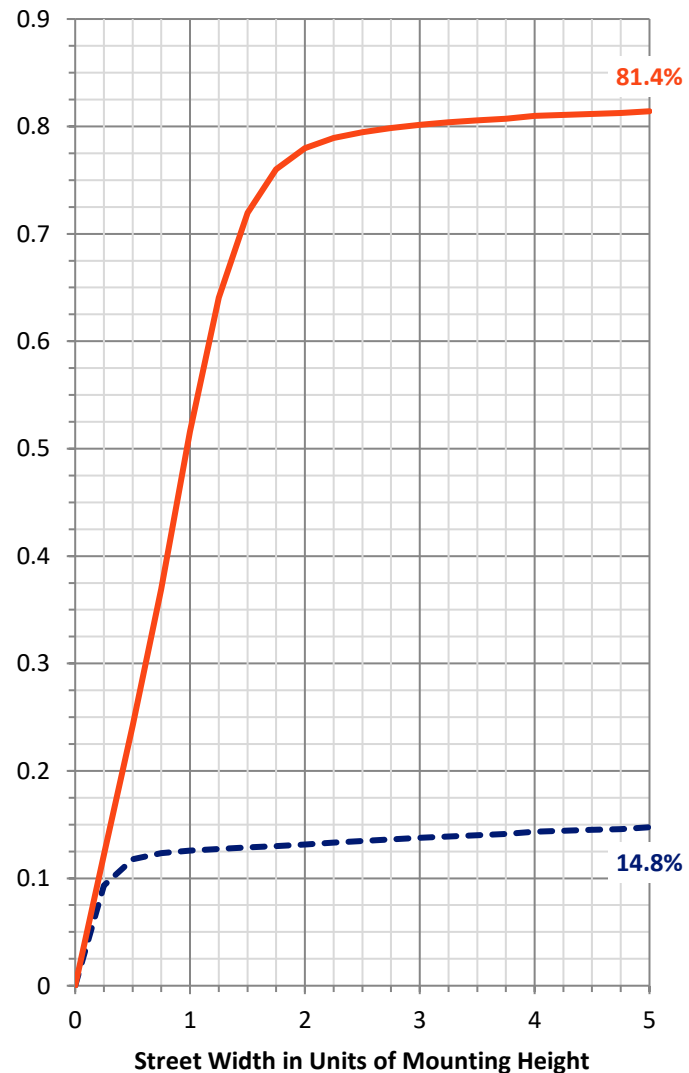
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	990.4	73.8	1064.3
	% Fixture	15.6	1.2	16.8
Street Side	Lumens	5186.6	78.5	5265.2
	% Fixture	81.9	1.2	83.2
Total	Lumens	6177.1	152.4	6329.4
	% Fixture	97.6	2.4	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.0	1.2
10°-20°	143.1	2.3
20°-30°	215.9	3.4
30°-40°	497.1	7.9
40°-50°	1108.2	17.5
50°-60°	1649.0	26.1
60°-70°	1470.6	23.2
70°-80°	825.5	13.0
80°-90°	192.7	3.0
90°-100°	105.8	1.7
100°-110°	24.4	0.4
110°-120°	9.6	0.2
120°-130°	6.4	0.1
130°-140°	3.3	0.1
140°-150°	1.6	0.0
150°-160°	1.3	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6177.1	97.6
0°-180°	6329.4	100.0



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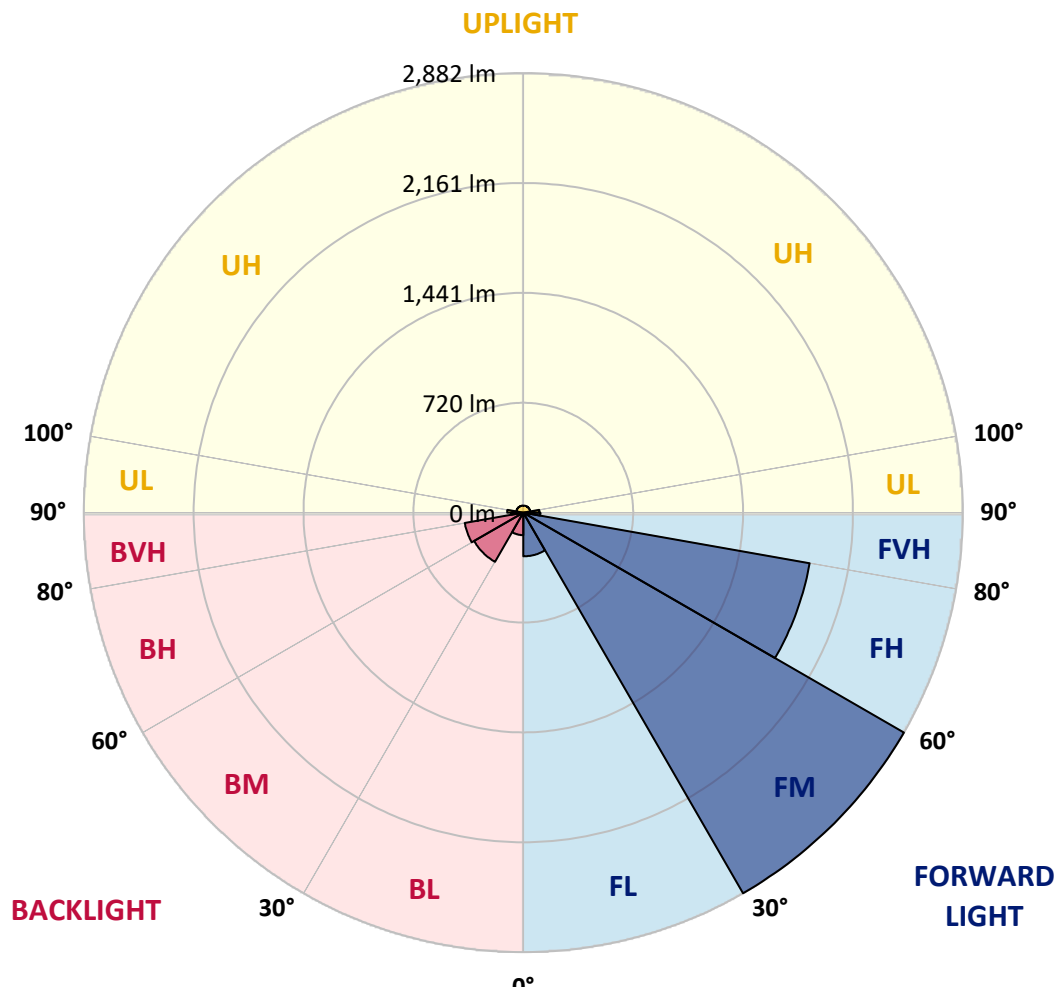
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	286.3	4.5			
FM	(30°-60°)	2882.0	45.5			
FH	(60°-80°)	1906.5	30.1			G2/5000
FVH	(80°-90°)	111.9	1.8			G2/225
BL	(0°-30°)	147.6	2.3	B1/500		
BM	(30°-60°)	372.3	5.9	B1/1000		
BH	(60°-80°)	389.7	6.2	B1/500		G1/500
BVH	(80°-90°)	80.9	1.3			G1/100
UL	(90°-100°)	105.8	1.7		U3/500	
UH	(100°-180°)	46.5	0.7		U2/50	

BUG Rating: B1-U3-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67.5°	75°	85°
0°	976.4	976.4	976.4	976.4	976.4	976.4	976.4	976.4	976.4	976.4	976.4
2.5°	827.7	875.0	925.7	959.5	966.2	976.4	976.4	973.0	973.0	969.6	969.6
5°	804.1	800.7	804.1	810.8	807.4	807.4	807.4	942.6	952.7	959.5	959.5
7.5°	692.6	709.5	763.5	783.8	790.5	797.3	797.3	787.2	750.0	831.1	841.2
10°	753.4	750.0	750.0	756.8	706.1	685.8	618.2	608.1	608.1	635.1	723.0
12.5°	631.8	668.9	719.6	739.9	682.4	604.7	587.8	601.4	598.0	523.7	611.5
15°	716.2	716.2	709.5	696.0	537.2	601.4	506.8	506.8	577.7	621.6	699.3
17.5°	581.1	598.0	682.4	672.3	591.2	452.7	591.2	543.9	584.5	547.3	587.8
20°	712.8	709.5	712.8	543.9	601.4	621.6	591.2	530.4	483.1	635.1	702.7
22.5°	587.8	581.1	614.9	672.3	567.6	645.3	540.5	645.3	628.4	564.2	506.8
25°	760.1	756.8	763.5	594.6	665.5	577.7	665.5	577.7	604.7	723.0	739.9
27.5°	685.8	682.4	672.3	726.4	631.8	729.7	628.4	706.1	726.4	783.8	908.8
30°	966.2	952.7	918.9	729.7	743.3	702.7	743.3	868.3	935.8	1050.7	1087.8
32.5°	1408.8	1337.9	1114.9	966.2	787.2	898.7	841.2	1020.3	1084.5	1141.9	1172.3
35°	1821.0	1790.6	1628.4	1277.0	959.5	993.3	949.3	1141.9	1179.1	1300.7	1293.9
37.5°	2385.2	2334.5	2084.5	1648.7	1206.1	1192.6	1081.1	1300.7	1327.7	1503.4	1469.6
40°	2807.5	2766.9	2571.0	2047.3	1533.8	1415.6	1263.5	1520.3	1489.9	1726.4	1679.1
42.5°	3212.9	3189.2	3037.2	2503.4	1895.3	1760.2	1452.7	1790.6	1783.8	1989.9	1949.3
45°	3540.6	3513.6	3415.6	2912.2	2310.8	2314.2	1750.0	2087.9	2135.2	2331.1	2226.4
47.5°	3733.1	3675.7	3604.8	3236.5	2729.8	2844.6	2189.2	2425.7	2540.6	2709.5	2550.7
50°	3689.2	3631.8	3638.6	3442.6	3114.9	3300.7	2658.8	2783.8	3013.5	3145.3	2831.1
52.5°	3337.9	3304.1	3415.6	3405.4	3310.8	3719.6	3206.1	3172.3	3398.7	3486.5	3118.3
55°	2837.9	2790.6	3000.0	3148.7	3310.8	3979.8	3712.9	3604.8	3810.9	3797.3	3314.2
57.5°	2155.4	2172.3	2408.8	2641.9	3040.6	4030.4	4087.9	4074.4	4169.0	4054.1	3469.6
60°	1473.0	1483.1	1817.6	2081.1	2493.3	3763.6	4209.5	4462.9	4452.7	4270.3	3645.3
62.5°	925.7	922.3	1175.7	1591.2	1793.9	3064.2	4162.2	4756.8	4719.6	4432.5	3780.4
65°	533.8	547.3	638.5	1054.1	1246.6	2091.2	3888.6	5044.0	4939.2	4577.8	3925.7
67.5°	327.7	337.8	381.8	571.0	814.2	1155.4	3307.5	5114.9	5121.7	4696.0	4003.4
70°	277.0	280.4	300.7	351.4	567.6	648.7	2226.4	4783.8	4979.8	4723.0	3979.8
72.5°	233.1	236.5	266.9	307.4	422.3	459.5	1000.0	3952.7	4324.4	4516.9	3807.5
75°	172.3	175.7	219.6	280.4	307.4	368.2	547.3	2618.3	2969.6	3571.0	3246.7
77.5°	111.5	114.9	155.4	226.4	260.1	290.5	442.6	1223.0	1547.3	2064.2	2050.7
80°	74.3	74.3	91.2	158.8	206.1	236.5	385.1	604.7	689.2	851.4	797.3
82.5°	47.3	47.3	57.4	98.0	131.8	236.5	361.5	432.4	418.9	425.7	378.4
85°	20.3	20.3	30.4	54.1	70.9	155.4	324.3	371.6	354.7	354.7	337.8
87.5°	6.8	6.8	10.1	16.9	23.6	47.3	250.0	297.3	287.2	297.3	320.9
90°	6.8	6.8	3.4	6.8	6.8	33.8	202.7	293.9	287.2	300.7	331.1
92.5°	10.1	10.1	3.4	3.4	6.8	27.0	158.8	304.1	293.9	314.2	344.6
95°	16.9	16.9	6.8	3.4	10.1	23.6	98.0	270.3	293.9	310.8	351.4
97.5°	20.3	20.3	6.8	6.8	10.1	20.3	50.7	219.6	226.4	236.5	277.0
100°	27.0	27.0	6.8	6.8	6.8	16.9	27.0	114.9	118.2	84.5	135.1
102.5°	27.0	27.0	6.8	6.8	6.8	10.1	13.5	50.7	47.3	16.9	16.9
105°	30.4	30.4	10.1	6.8	6.8	6.8	6.8	16.9	16.9	10.1	20.3
107.5°	30.4	30.4	10.1	10.1	6.8	6.8	3.4	6.8	10.1	10.1	20.3

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	67.5°	75°	85°
112.5°	16.9	16.9	6.8	10.1	6.8	3.4	3.4	3.4	6.8	13.5	33.8
115°	6.8	6.8	3.4	6.8	3.4	3.4	3.4	6.8	6.8	10.1	27.0
117.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	6.8	3.4	10.1	23.6
120°	3.4	3.4	0.0	3.4	3.4	3.4	3.4	3.4	3.4	13.5	23.6
122.5°	3.4	3.4	3.4	3.4	3.4	0.0	3.4	3.4	3.4	13.5	23.6
125°	3.4	3.4	3.4	3.4	3.4	0.0	3.4	3.4	3.4	10.1	20.3
127.5°	3.4	3.4	3.4	3.4	3.4	0.0	3.4	3.4	3.4	6.8	20.3
130°	3.4	3.4	3.4	3.4	3.4	0.0	3.4	3.4	3.4	6.8	13.5
132.5°	3.4	3.4	3.4	3.4	3.4	0.0	3.4	3.4	3.4	6.8	10.1
135°	3.4	3.4	3.4	3.4	3.4	0.0	3.4	3.4	3.4	3.4	6.8
137.5°	3.4	3.4	3.4	3.4	3.4	0.0	3.4	3.4	3.4	3.4	3.4
140°	0.0	0.0	0.0	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
142.5°	0.0	0.0	0.0	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
145°	0.0	0.0	0.0	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
147.5°	0.0	0.0	0.0	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
150°	3.4	3.4	6.8	6.8	3.4	0.0	6.8	3.4	3.4	3.4	3.4
152.5°	6.8	6.8	6.8	6.8	3.4	0.0	3.4	6.8	3.4	3.4	3.4
155°	6.8	6.8	3.4	3.4	3.4	0.0	3.4	3.4	3.4	6.8	10.1
157.5°	0.0	0.0	0.0	0.0	3.4	0.0	3.4	3.4	0.0	0.0	3.4
160°	0.0	0.0	0.0	0.0	3.4	0.0	3.4	3.4	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°	976.4	976.4	976.4	976.4	976.4	976.4	976.4	976.4	976.4	976.4	976.4
2.5°	966.2	966.2	962.8	962.8	952.7	949.3	905.4	858.1	821.0	824.3	824.3
5°	956.1	949.3	939.2	871.6	787.2	773.7	773.7	766.9	763.5	766.9	766.9
7.5°	834.5	827.7	787.2	753.4	756.8	750.0	736.5	733.1	675.7	618.2	614.9
10°	719.6	709.5	601.4	577.7	574.3	598.0	655.4	635.1	614.9	591.2	601.4
12.5°	601.4	598.0	500.0	554.1	483.1	496.6	510.1	489.9	418.9	337.8	348.0
15°	696.0	685.8	567.6	459.5	412.2	415.5	273.7	263.5	212.8	192.6	182.4
17.5°	516.9	567.6	496.6	459.5	415.5	216.2	175.7	135.1	121.6	98.0	101.4
20°	692.6	679.1	567.6	429.1	320.9	182.4	98.0	77.7	94.6	98.0	98.0
22.5°	489.9	476.4	479.7	456.1	226.4	104.7	74.3	77.7	70.9	67.6	67.6
25°	719.6	696.0	581.1	348.0	168.9	67.6	70.9	54.1	64.2	64.2	64.2
27.5°	875.0	793.9	611.5	337.8	94.6	67.6	50.7	54.1	43.9	43.9	43.9
30°	1047.3	1000.0	800.7	314.2	74.3	54.1	47.3	37.2	40.5	40.5	40.5
32.5°	1125.0	1060.8	800.7	250.0	64.2	50.7	37.2	33.8	33.8	37.2	37.2
35°	1236.5	1168.9	797.3	165.5	54.1	40.5	30.4	30.4	30.4	30.4	30.4
37.5°	1405.4	1307.4	810.8	104.7	43.9	33.8	23.6	27.0	27.0	57.4	57.4
40°	1594.6	1483.1	773.7	74.3	37.2	27.0	20.3	33.8	47.3	50.7	50.7
42.5°	1834.5	1712.9	719.6	64.2	33.8	20.3	16.9	27.0	40.5	64.2	64.2
45°	2121.6	1939.2	645.3	57.4	27.0	16.9	16.9	33.8	50.7	60.8	60.8
47.5°	2378.4	2158.8	516.9	54.1	23.6	13.5	23.6	37.2	43.9	70.9	70.9
50°	2679.1	2388.5	395.3	47.3	20.3	13.5	37.2	40.5	50.7	64.2	64.2
52.5°	2902.1	2581.1	300.7	43.9	20.3	10.1	37.2	37.2	57.4	74.3	74.3
55°	3081.1	2685.8	216.2	37.2	16.9	10.1	43.9	47.3	50.7	57.4	57.4
57.5°	3219.6	2760.2	168.9	33.8	16.9	23.6	54.1	60.8	54.1	57.4	57.4
60°	3378.4	2797.3	125.0	30.4	13.5	23.6	64.2	81.1	60.8	87.8	84.5
62.5°	3523.7	2824.4	101.4	30.4	13.5	27.0	70.9	101.4	81.1	118.2	121.6
65°	3706.1	2858.1	84.5	23.6	13.5	37.2	84.5	135.1	108.1	155.4	162.2
67.5°	3827.7	2878.4	70.9	23.6	13.5	43.9	118.2	175.7	135.1	195.9	202.7
70°	3841.3	2804.1	57.4	23.6	13.5	67.6	162.2	212.8	168.9	250.0	253.4
72.5°	3665.6	2591.2	47.3	27.0	13.5	74.3	189.2	246.6	199.3	331.1	334.5
75°	2962.9	1817.6	43.9	27.0	13.5	94.6	206.1	270.3	223.0	344.6	351.4
77.5°	1821.0	841.2	40.5	30.4	20.3	104.7	209.5	287.2	233.1	344.6	354.7
80°	706.1	415.5	37.2	33.8	47.3	118.2	226.4	290.5	233.1	320.9	334.5
82.5°	327.7	243.2	37.2	37.2	60.8	121.6	223.0	270.3	216.2	287.2	283.8
85°	293.9	239.9	40.5	40.5	64.2	104.7	175.7	229.7	185.8	226.4	226.4
87.5°	287.2	236.5	43.9	50.7	64.2	60.8	135.1	195.9	158.8	168.9	168.9
90°	293.9	246.6	47.3	57.4	54.1	33.8	108.1	162.2	121.6	108.1	104.7
92.5°	314.2	250.0	57.4	67.6	50.7	27.0	91.2	131.8	87.8	70.9	67.6
95°	331.1	256.8	70.9	81.1	54.1	23.6	81.1	104.7	64.2	43.9	40.5
97.5°	277.0	199.3	81.1	87.8	54.1	23.6	70.9	84.5	50.7	23.6	23.6
100°	118.2	87.8	84.5	94.6	50.7	20.3	60.8	67.6	33.8	10.1	13.5
102.5°	23.6	27.0	74.3	87.8	40.5	13.5	40.5	40.5	23.6	3.4	6.8
105°	23.6	20.3	47.3	74.3	23.6	6.8	16.9	23.6	10.1	3.4	3.4
107.5°	23.6	23.6	16.9	37.2	10.1	6.8	6.8	10.1	6.8	3.4	3.4



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CATALOG NUMBER: SDL-PA1-90-730-U-T2U-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	33.8	30.4	6.8	10.1	10.1	6.8	3.4	3.4	6.8	23.6	27.0
115°	30.4	27.0	10.1	10.1	6.8	6.8	3.4	3.4	6.8	27.0	30.4
117.5°	23.6	23.6	10.1	6.8	6.8	6.8	3.4	3.4	6.8	27.0	27.0
120°	27.0	23.6	10.1	6.8	3.4	3.4	3.4	3.4	6.8	20.3	20.3
122.5°	27.0	23.6	10.1	6.8	3.4	3.4	3.4	3.4	6.8	20.3	23.6
125°	23.6	20.3	10.1	6.8	3.4	3.4	3.4	3.4	10.1	20.3	20.3
127.5°	20.3	16.9	6.8	3.4	3.4	3.4	3.4	3.4	10.1	16.9	16.9
130°	13.5	13.5	6.8	3.4	3.4	3.4	3.4	3.4	10.1	13.5	13.5
132.5°	10.1	10.1	6.8	3.4	3.4	3.4	3.4	3.4	6.8	13.5	13.5
135°	10.1	6.8	6.8	3.4	3.4	3.4	3.4	3.4	6.8	10.1	10.1
137.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	6.8	6.8
140°	3.4	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	3.4	3.4
142.5°	3.4	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	3.4	3.4
145°	3.4	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	3.4	3.4
147.5°	3.4	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	3.4	3.4
150°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	3.4	3.4
152.5°	3.4	3.4	6.8	3.4	3.4	0.0	0.0	0.0	0.0	3.4	3.4
155°	10.1	10.1	10.1	3.4	3.4	0.0	0.0	0.0	0.0	3.4	3.4
157.5°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	3.4	3.4	3.4	3.4	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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110°	23.6	23.6	10.1	10.1	6.8	3.4	3.4	3.4	6.8	10.1	23.6
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110°	27.0	23.6	6.8	10.1	6.8	6.8	6.8	6.8	3.4	16.9	20.3
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(END OF REPORT)