

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: P561268

Luminaire Tested: **SDL-PA1-90-740-U-T3-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561268
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-3)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-90-740-U-T3-A
Description: Springdale
(1) 70 CRI, 4000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9573.2 lumens
Efficiency: N/A
Efficacy: 103.6 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: B2 - U3 - G3

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



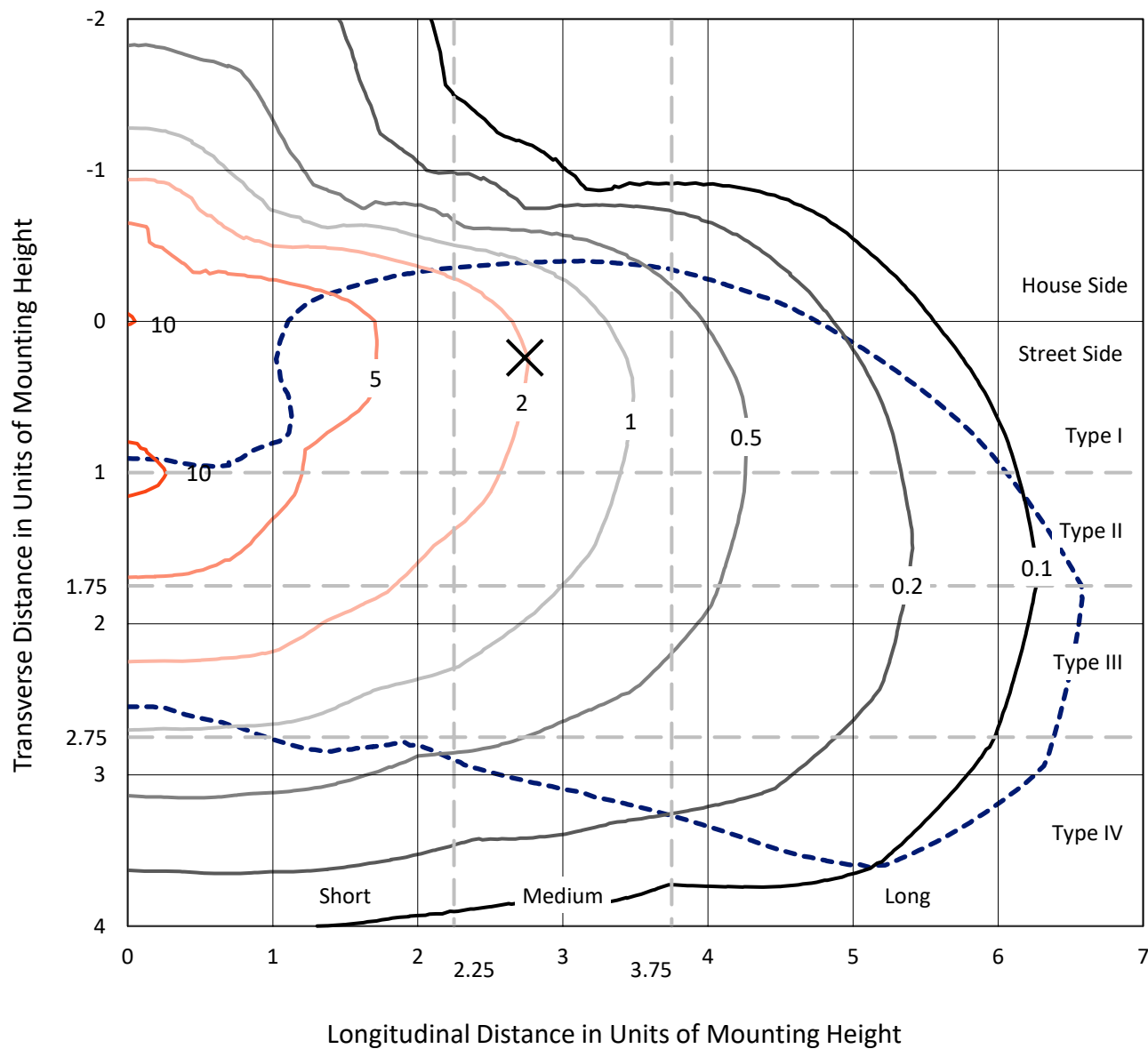
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



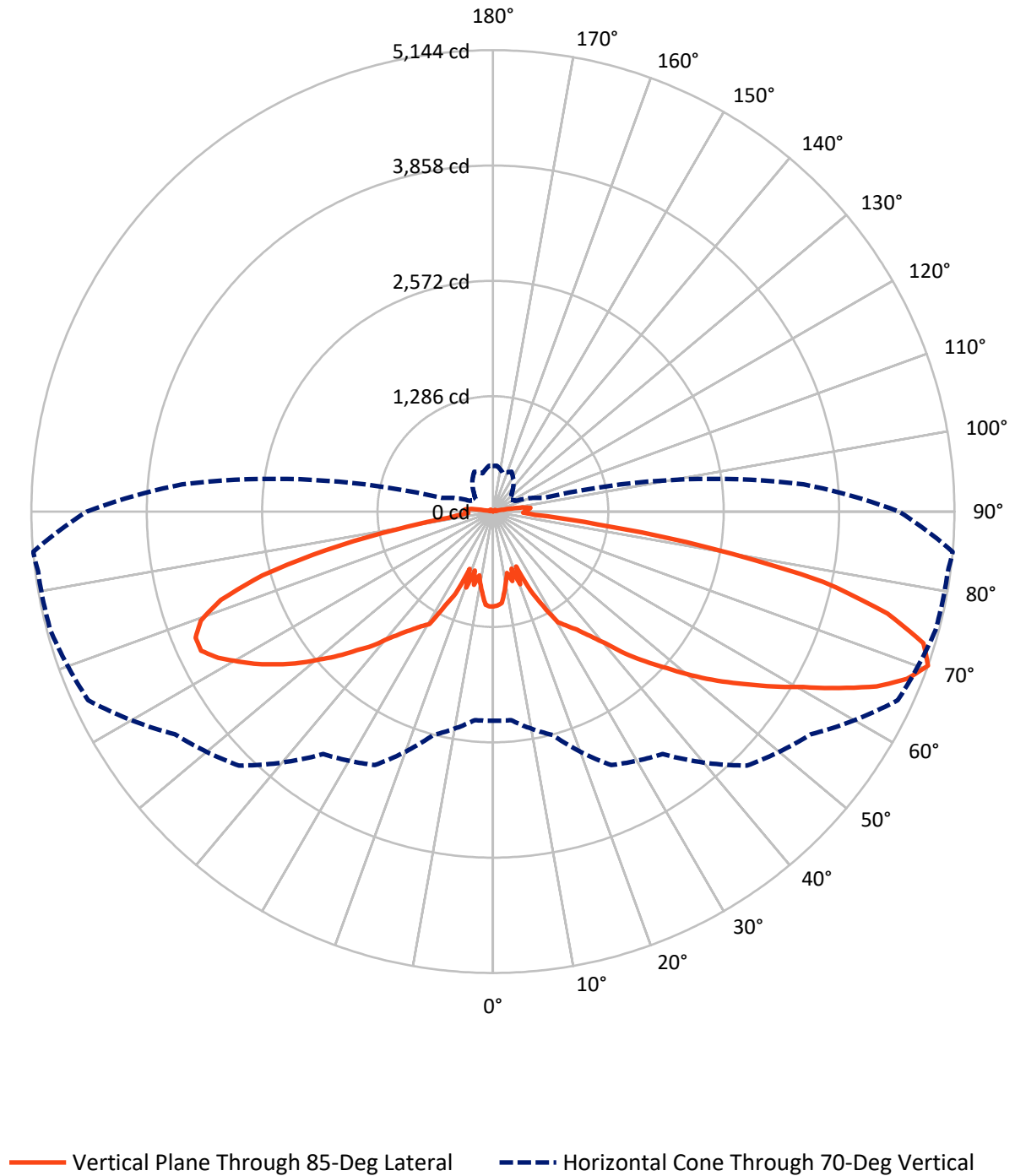
Based on 10 foot mounting height. Maximum calculated value = 10.8 fc

Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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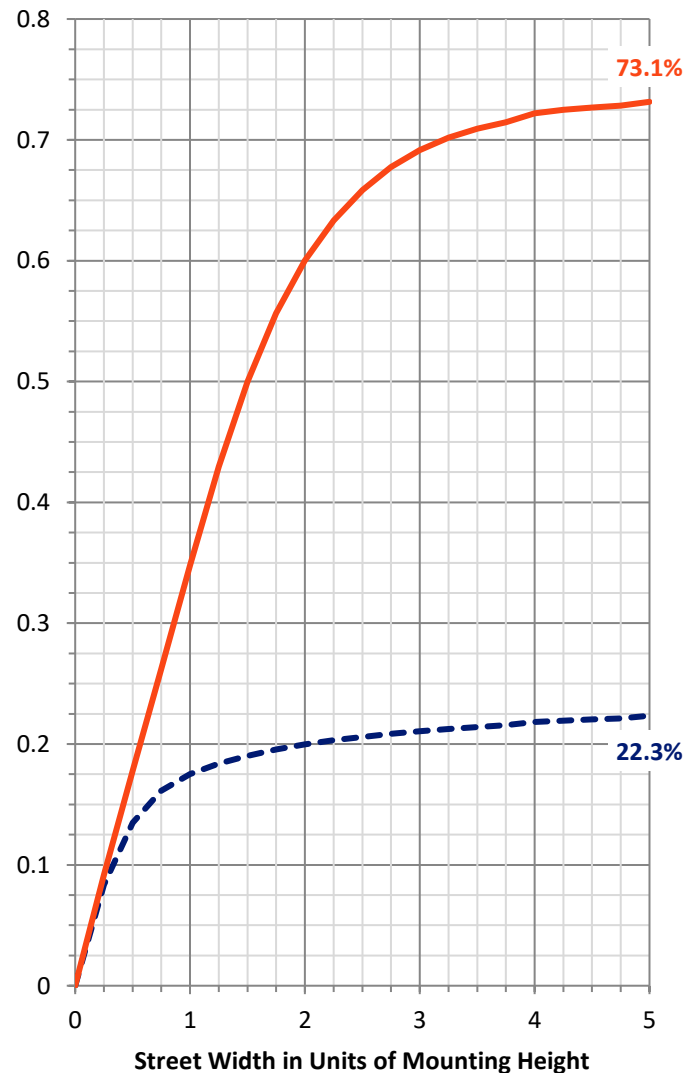
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2250.8	144.9	2395.7
	% Fixture	23.5	1.5	25.0
Street Side	Lumens	7055.1	122.5	7177.5
	% Fixture	73.7	1.3	75.0
Total	Lumens	9305.8	267.4	9573.2
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.2	0.9
10°-20°	211.2	2.2
20°-30°	384.8	4.0
30°-40°	727.3	7.6
40°-50°	1215.6	12.7
50°-60°	1897.2	19.8
60°-70°	2352.7	24.6
70°-80°	1922.1	20.1
80°-90°	508.8	5.3
90°-100°	193.1	2.0
100°-110°	41.1	0.4
110°-120°	13.3	0.1
120°-130°	10.3	0.1
130°-140°	4.9	0.1
140°-150°	2.3	0.0
150°-160°	2.1	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	9305.8	97.2
0°-180°	9573.2	100.0



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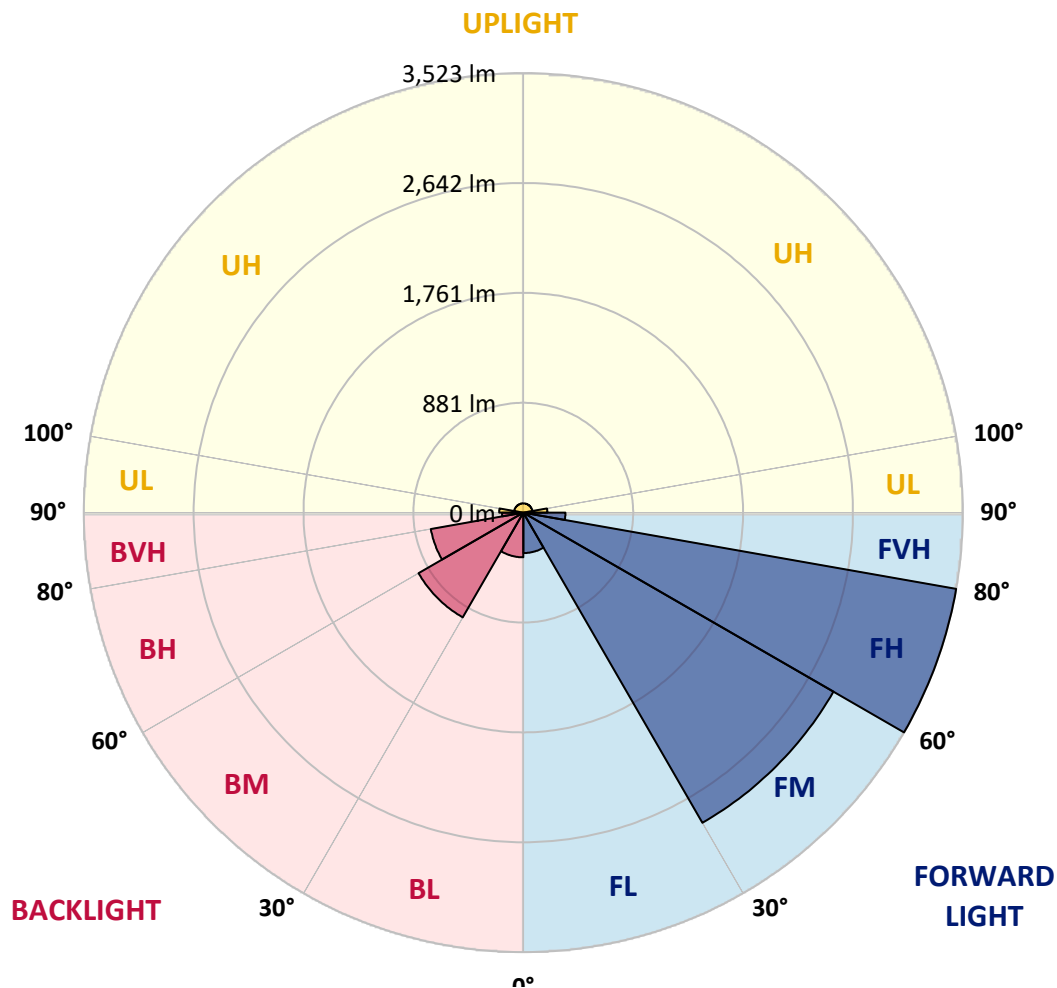
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	324.2	3.4			
FM	(30°-60°)	2870.5	30.0			
FH	(60°-80°)	3522.8	36.8			G2/5000
FVH	(80°-90°)	337.5	3.5			G3/500
BL	(0°-30°)	358.0	3.7	B1/500		
BM	(30°-60°)	969.5	10.1	B1/1000		
BH	(60°-80°)	752.0	7.9	B2/1000		G2/1000
BVH	(80°-90°)	171.2	1.8			G2/225
UL	(90°-100°)	193.1	2.0		U3/500	
UH	(100°-180°)	74.3	0.8		U3/500	

BUG Rating: B2-U3-G3

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82.5°	85°
0°	1057.7	1057.7	1057.7	1057.7	1057.7	1057.7	1057.7	1057.7	1057.7	1057.7	1057.7
2.5°	875.8	961.2	946.4	972.3	987.2	1009.5	1024.3	1031.7	1039.1	1046.6	1046.6
5°	812.8	816.5	820.2	823.9	831.3	842.4	853.6	972.3	1009.5	1024.3	1024.3
7.5°	742.2	738.5	753.4	771.9	797.9	812.8	823.9	827.6	868.4	901.8	909.3
10°	738.5	742.2	742.2	749.7	705.1	701.4	649.5	653.2	708.8	794.2	797.9
12.5°	642.0	660.6	701.4	731.1	686.6	616.1	604.9	634.6	593.8	697.7	701.4
15°	716.3	712.6	712.6	682.9	579.0	608.6	541.8	564.1	690.3	786.8	805.3
17.5°	623.5	616.1	690.3	668.0	601.2	508.4	608.6	601.2	623.5	679.2	668.0
20°	783.1	775.6	760.8	579.0	608.6	638.3	619.8	579.0	731.1	816.5	864.7
22.5°	731.1	738.5	775.6	734.8	627.2	656.9	586.4	712.6	690.3	656.9	664.3
25°	998.3	990.9	953.8	720.0	749.7	612.4	716.3	634.6	875.8	972.3	979.8
27.5°	920.4	909.3	883.3	905.5	760.8	801.6	697.7	831.3	968.6	1139.3	1191.3
30°	1221.0	1209.9	1180.2	913.0	905.5	794.2	846.2	1020.6	1306.4	1436.2	1432.5
32.5°	1573.6	1491.9	1310.1	1169.0	968.6	1031.7	968.6	1202.4	1391.7	1517.9	1517.9
35°	1788.8	1774.0	1677.5	1358.3	1128.2	1124.5	1113.4	1324.9	1536.4	1625.5	1618.1
37.5°	1970.7	1996.6	1926.1	1573.6	1273.0	1302.6	1247.0	1491.9	1714.6	1766.5	1759.1
40°	2223.0	2215.6	2178.5	1759.1	1451.1	1447.4	1406.6	1692.3	1911.3	1948.4	1929.8
42.5°	2597.9	2557.0	2445.7	2007.8	1640.4	1640.4	1566.1	1881.6	2152.5	2156.2	2167.4
45°	3058.1	3039.5	2842.8	2393.7	1885.3	1881.6	1759.1	2082.0	2397.5	2416.0	2382.6
47.5°	3377.2	3321.5	3225.1	2746.3	2263.8	2178.5	1992.9	2278.7	2690.6	2675.8	2609.0
50°	3692.7	3648.1	3559.1	3132.3	2657.2	2486.5	2211.9	2482.8	2972.7	2931.9	2868.8
52.5°	3963.6	3904.2	3807.7	3447.7	3002.4	2868.8	2464.3	2668.4	3258.5	3191.7	3132.3
55°	4119.5	3997.0	4004.4	3729.8	3262.2	3154.5	2746.3	2969.0	3536.8	3440.3	3392.1
57.5°	3926.5	3919.1	4041.5	3904.2	3499.7	3392.1	3046.9	3269.6	3826.3	3700.1	3677.8
60°	3733.5	3755.8	3930.2	3956.2	3685.2	3607.3	3306.7	3696.4	4108.3	3971.0	3971.0
62.5°	3466.3	3529.4	3774.3	3974.7	3703.8	3818.9	3577.6	4060.1	4416.4	4290.2	4331.0
65°	3162.0	3162.0	3444.0	3822.6	3644.4	3959.9	3878.2	4457.2	4687.3	4613.1	4698.4
67.5°	2746.3	2753.7	3046.9	3525.7	3536.8	4030.4	4119.5	4768.9	4969.3	4913.7	4976.8
70°	2330.7	2334.4	2579.3	3117.4	3299.3	4004.4	4327.3	4976.8	5106.7	5114.1	5143.8
72.5°	1744.3	1807.4	2037.5	2531.1	2887.3	3896.8	4434.9	5036.1	5102.9	5114.1	5017.6
75°	938.9	968.6	1224.7	1647.8	2145.1	3455.2	4401.5	4973.0	4924.8	4794.9	4542.5
77.5°	326.6	341.4	430.5	720.0	1217.3	2445.7	4082.4	4698.4	4542.5	4134.3	3763.2
80°	211.5	211.5	233.8	345.1	553.0	1157.9	3169.4	4026.7	3659.3	2787.1	2442.0
82.5°	148.4	152.2	170.7	230.1	356.3	497.3	1647.8	2044.9	2015.2	1388.0	1169.0
85°	107.6	111.3	118.8	133.6	244.9	308.0	642.0	983.5	909.3	497.3	467.6
87.5°	48.2	55.7	48.2	59.4	96.5	189.3	308.0	304.3	289.5	330.3	337.7
90°	37.1	37.1	29.7	33.4	66.8	170.7	285.8	274.6	293.2	360.0	356.3
92.5°	37.1	37.1	29.7	33.4	63.1	170.7	300.6	267.2	304.3	386.0	389.7
95°	37.1	40.8	29.7	29.7	52.0	174.4	319.2	285.8	322.9	419.4	419.4
97.5°	33.4	33.4	22.3	26.0	40.8	159.6	319.2	244.9	237.5	337.7	334.0
100°	26.0	29.7	14.8	22.3	29.7	96.5	237.5	152.2	66.8	77.9	118.8
102.5°	26.0	26.0	14.8	18.6	22.3	40.8	126.2	89.1	18.6	26.0	26.0
105°	26.0	29.7	14.8	14.8	14.8	18.6	59.4	44.5	14.8	22.3	26.0
107.5°	29.7	29.7	11.1	11.1	11.1	11.1	22.3	18.6	14.8	26.0	29.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82.5°	85°
112.5°	26.0	26.0	11.1	11.1	7.4	7.4	7.4	11.1	14.8	22.3	26.0
115°	18.6	18.6	7.4	11.1	7.4	7.4	7.4	11.1	11.1	18.6	22.3
117.5°	18.6	14.8	7.4	7.4	3.7	7.4	7.4	11.1	14.8	26.0	26.0
120°	18.6	18.6	7.4	3.7	3.7	3.7	3.7	7.4	18.6	29.7	33.4
122.5°	18.6	18.6	7.4	3.7	3.7	3.7	3.7	7.4	18.6	29.7	33.4
125°	22.3	18.6	11.1	3.7	3.7	3.7	3.7	3.7	14.8	26.0	29.7
127.5°	18.6	18.6	11.1	3.7	3.7	3.7	3.7	3.7	11.1	22.3	26.0
130°	18.6	18.6	11.1	3.7	3.7	3.7	3.7	3.7	11.1	18.6	18.6
132.5°	14.8	14.8	11.1	3.7	3.7	3.7	3.7	3.7	7.4	14.8	14.8
135°	14.8	14.8	7.4	3.7	3.7	3.7	3.7	3.7	3.7	11.1	11.1
137.5°	7.4	7.4	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
140°	0.0	3.7	0.0	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
142.5°	0.0	0.0	0.0	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
145°	0.0	0.0	0.0	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
147.5°	3.7	3.7	3.7	7.4	7.4	3.7	3.7	3.7	3.7	3.7	3.7
150°	11.1	11.1	11.1	7.4	7.4	3.7	7.4	3.7	3.7	3.7	3.7
152.5°	11.1	11.1	14.8	7.4	3.7	3.7	3.7	7.4	3.7	3.7	3.7
155°	7.4	7.4	7.4	3.7	3.7	3.7	3.7	3.7	7.4	7.4	11.1
157.5°	3.7	3.7	3.7	0.0	3.7	3.7	3.7	3.7	3.7	3.7	3.7
160°	0.0	0.0	0.0	0.0	3.7	3.7	3.7	3.7	3.7	3.7	3.7
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°	1057.7	1057.7	1057.7	1057.7	1057.7	1057.7	1057.7	1057.7	1057.7	1057.7	1057.7
2.5°	1050.3	1057.7	1061.4	1072.5	1072.5	1072.5	1046.6	983.5	983.5	987.2	990.9
5°	1035.4	1042.9	1057.7	1005.7	953.8	950.1	968.6	979.8	983.5	987.2	979.8
7.5°	916.7	931.5	924.1	927.8	953.8	979.8	1002.0	987.2	950.1	924.1	931.5
10°	816.5	831.3	749.7	757.1	786.8	861.0	983.5	1024.3	1050.3	1061.4	1061.4
12.5°	716.3	727.4	656.9	760.8	708.8	823.9	957.5	1057.7	957.5	916.7	916.7
15°	820.2	842.4	757.1	675.4	690.3	835.0	734.8	1009.5	1039.1	1046.6	1054.0
17.5°	701.4	686.6	701.4	712.6	775.6	649.5	842.4	950.1	890.7	868.4	879.6
20°	883.3	898.1	820.2	701.4	708.8	827.6	749.7	849.9	1013.2	1016.9	1024.3
22.5°	671.7	690.3	734.8	835.0	731.1	801.6	790.5	883.3	827.6	831.3	861.0
25°	987.2	1002.0	924.1	746.0	797.9	723.7	797.9	786.8	927.8	935.2	935.2
27.5°	1209.9	1176.5	1009.5	842.4	701.4	764.5	720.0	749.7	716.3	816.5	831.3
30°	1440.0	1440.0	1310.1	938.9	742.2	649.5	656.9	712.6	794.2	809.0	809.0
32.5°	1510.5	1506.8	1339.8	1016.9	731.1	671.7	604.9	671.7	812.8	883.3	890.7
35°	1610.7	1595.8	1391.7	990.9	705.1	612.4	571.5	675.4	779.4	790.5	783.1
37.5°	1736.9	1699.7	1454.8	942.7	645.8	575.2	549.3	608.6	697.7	697.7	697.7
40°	1892.7	1833.3	1477.1	875.8	582.7	527.0	501.0	564.1	623.5	590.1	579.0
42.5°	2104.3	2015.2	1495.6	827.6	527.0	486.2	452.8	512.1	541.8	523.3	515.9
45°	2301.0	2167.4	1525.3	775.6	482.5	449.1	419.4	471.3	493.6	475.0	471.3
47.5°	2534.8	2356.6	1529.0	727.4	449.1	419.4	397.1	441.6	456.5	456.5	452.8
50°	2776.0	2538.5	1558.7	686.6	415.7	389.7	386.0	419.4	430.5	423.1	419.4
52.5°	3050.6	2742.6	1569.8	634.6	374.8	356.3	374.8	397.1	430.5	434.2	434.2
55°	3343.8	2931.9	1562.4	564.1	345.1	337.7	363.7	411.9	441.6	419.4	415.7
57.5°	3629.6	3121.1	1566.1	486.2	315.5	330.3	367.4	430.5	452.8	426.8	415.7
60°	3885.7	3291.9	1514.2	415.7	293.2	311.7	382.3	449.1	441.6	449.1	437.9
62.5°	4201.1	3470.0	1365.7	371.1	274.6	304.3	382.3	460.2	430.5	460.2	460.2
65°	4460.9	3603.6	1154.2	334.0	259.8	304.3	386.0	463.9	419.4	467.6	467.6
67.5°	4572.2	3599.9	835.0	304.3	241.2	296.9	386.0	478.7	430.5	482.5	478.7
70°	4527.7	3477.4	590.1	282.1	230.1	300.6	400.8	489.9	441.6	512.1	508.4
72.5°	4227.1	3187.9	426.8	263.5	215.3	285.8	411.9	504.7	452.8	556.7	556.7
75°	3722.4	2664.7	345.1	244.9	200.4	282.1	415.7	512.1	460.2	564.1	564.1
77.5°	2846.5	1915.0	289.5	226.4	185.6	274.6	411.9	523.3	456.5	564.1	564.1
80°	1707.2	1091.1	241.2	204.1	189.3	270.9	419.4	523.3	456.5	556.7	556.7
82.5°	786.8	501.0	215.3	170.7	178.1	267.2	426.8	515.9	437.9	556.7	534.4
85°	437.9	352.6	185.6	144.7	159.6	252.4	404.5	463.9	393.4	460.2	452.8
87.5°	326.6	274.6	118.8	74.2	103.9	178.1	311.7	367.4	296.9	356.3	352.6
90°	348.9	289.5	107.6	74.2	111.3	163.3	293.2	326.6	274.6	330.3	326.6
92.5°	374.8	304.3	107.6	77.9	126.2	178.1	293.2	319.2	270.9	300.6	304.3
95°	393.4	315.5	103.9	85.4	133.6	193.0	285.8	293.2	248.7	259.8	270.9
97.5°	308.0	237.5	92.8	89.1	129.9	155.9	233.8	230.1	170.7	159.6	159.6
100°	96.5	66.8	81.6	92.8	77.9	74.2	137.3	163.3	100.2	66.8	63.1
102.5°	29.7	26.0	74.2	89.1	59.4	33.4	74.2	103.9	74.2	11.1	14.8
105°	29.7	29.7	48.2	74.2	40.8	14.8	29.7	55.7	44.5	11.1	11.1
107.5°	29.7	26.0	18.6	40.8	14.8	11.1	14.8	14.8	14.8	11.1	11.1



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CATALOG NUMBER: SDL-PA1-90-740-U-T3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	29.7	29.7	14.8	14.8	11.1	11.1	7.4	7.4	11.1	26.0	26.0
115°	26.0	26.0	14.8	11.1	7.4	11.1	7.4	7.4	11.1	29.7	29.7
117.5°	29.7	29.7	14.8	11.1	7.4	7.4	7.4	3.7	11.1	33.4	37.1
120°	37.1	33.4	18.6	7.4	7.4	7.4	7.4	7.4	14.8	29.7	33.4
122.5°	37.1	37.1	18.6	7.4	3.7	3.7	3.7	7.4	14.8	29.7	33.4
125°	33.4	33.4	18.6	7.4	3.7	3.7	3.7	3.7	14.8	26.0	26.0
127.5°	29.7	29.7	14.8	7.4	3.7	3.7	3.7	3.7	11.1	22.3	26.0
130°	22.3	22.3	11.1	7.4	3.7	3.7	3.7	3.7	11.1	18.6	22.3
132.5°	18.6	18.6	11.1	7.4	3.7	3.7	3.7	3.7	11.1	14.8	18.6
135°	11.1	11.1	7.4	3.7	3.7	3.7	3.7	3.7	7.4	11.1	14.8
137.5°	7.4	7.4	3.7	3.7	3.7	3.7	3.7	3.7	3.7	7.4	7.4
140°	3.7	3.7	3.7	3.7	3.7	3.7	0.0	3.7	3.7	3.7	3.7
142.5°	3.7	3.7	3.7	3.7	3.7	3.7	0.0	3.7	3.7	3.7	3.7
145°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
147.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
150°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	7.4	7.4	11.1	7.4
152.5°	3.7	3.7	3.7	7.4	3.7	0.0	0.0	7.4	7.4	11.1	11.1
155°	11.1	11.1	7.4	3.7	3.7	0.0	0.0	0.0	7.4	7.4	7.4
157.5°	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	3.7	3.7	3.7
160°	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	3.7	3.7
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°	29.7	29.7	11.1	11.1	7.4	7.4	11.1	11.1	14.8	26.0	29.7
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110°	29.7	29.7	14.8	14.8	11.1	11.1	11.1	7.4	7.4	18.6	18.6
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