

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: P561074

Luminaire Tested: **SDL-PA1-80-730-U-T4W-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561074
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-11)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-80-730-U-T4W-A
Description: Springdale
(1) 70 CRI, 3000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7838.5 lumens
Efficiency: N/A
Efficacy: 95.6 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): 82
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

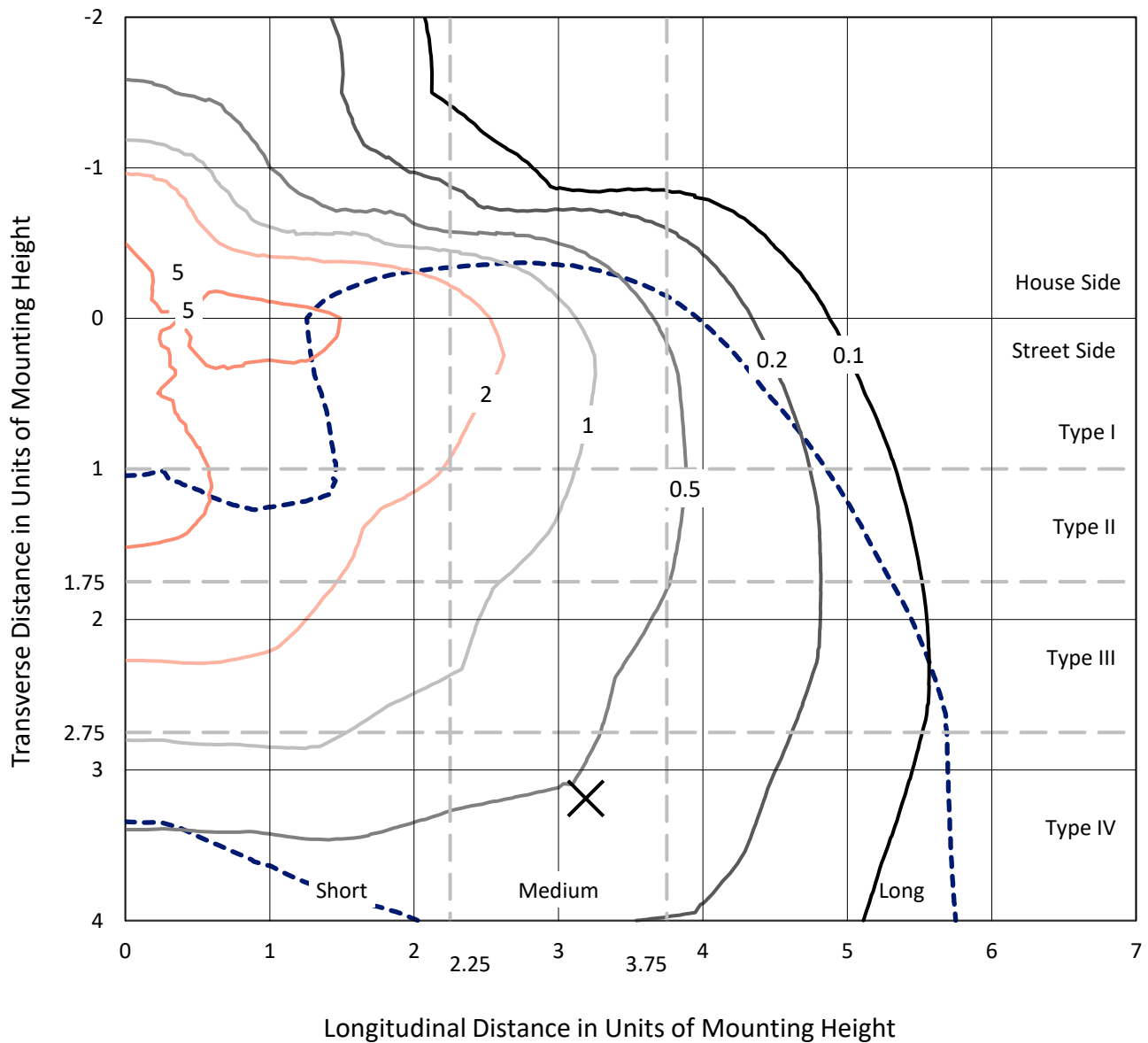


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

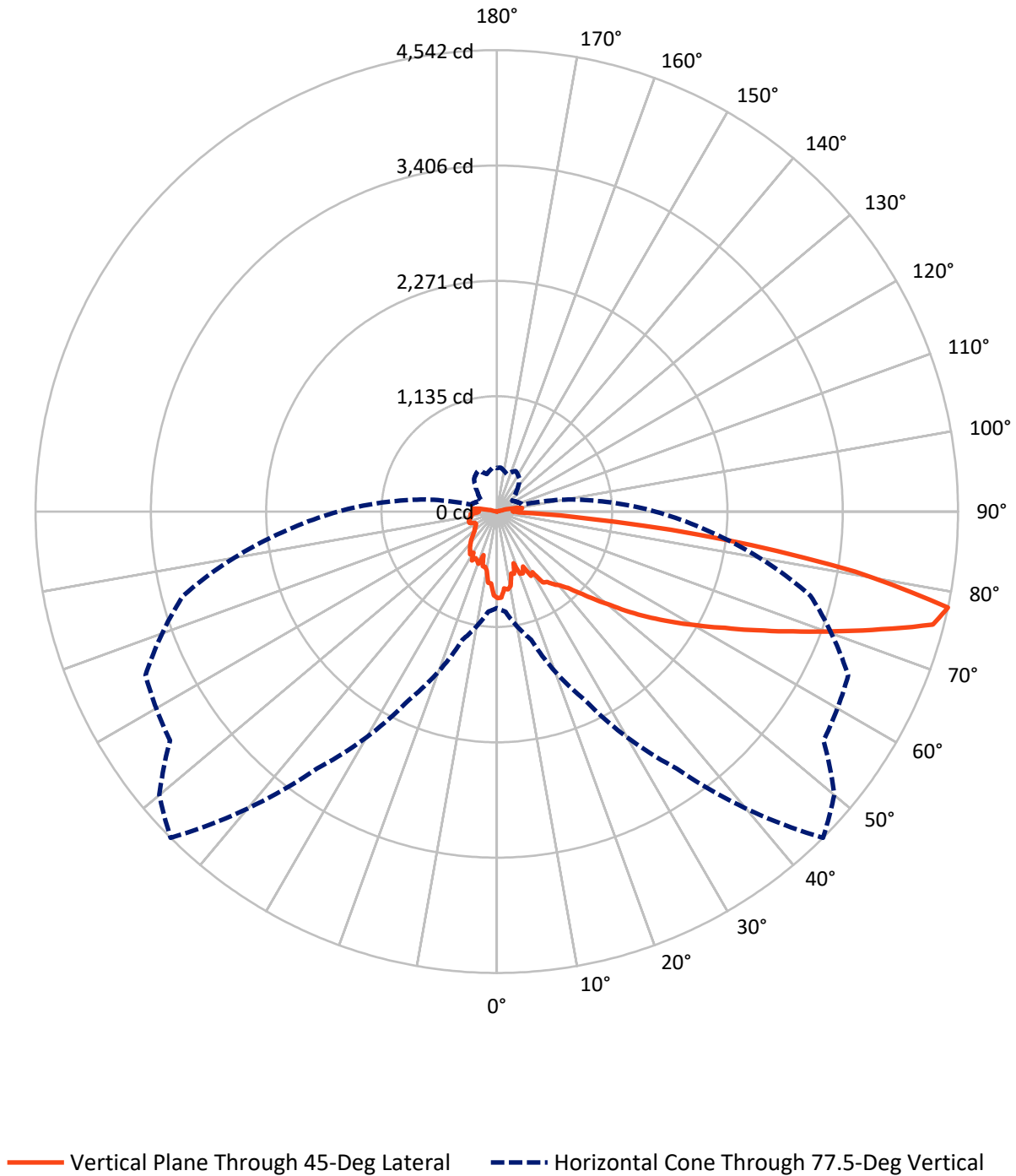


Based on 10 foot mounting height. Maximum calculated value = 8.5 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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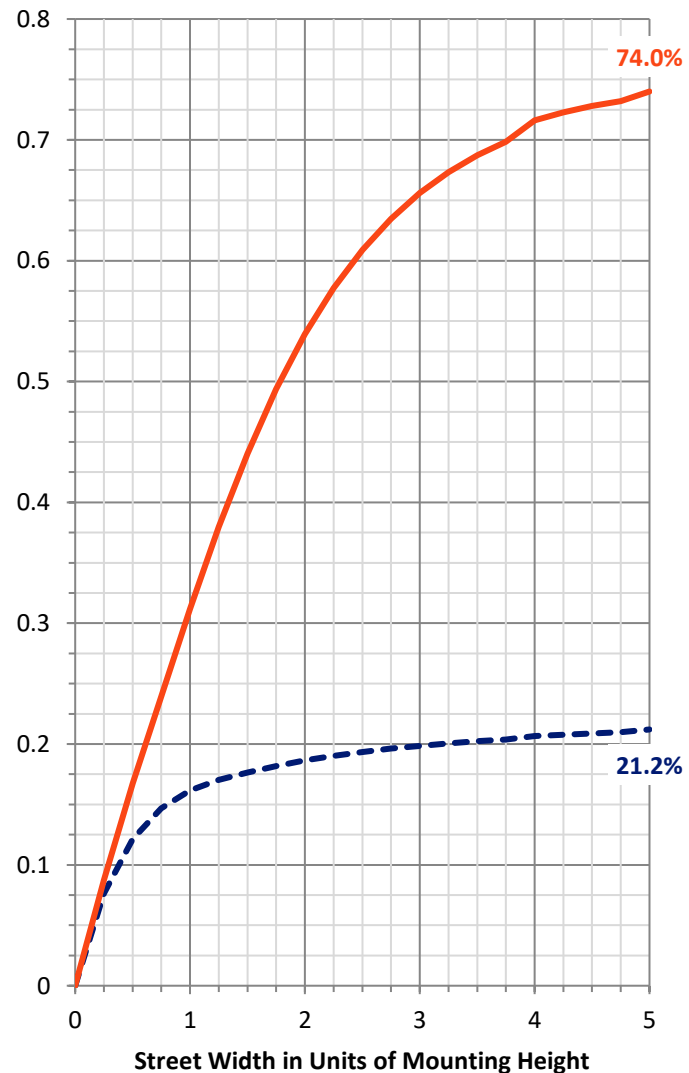
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1754.4	130.9	1885.3
	% Fixture	22.4	1.7	24.1
Street Side	Lumens	5847.3	105.9	5953.2
	% Fixture	74.6	1.4	75.9
Total	Lumens	7601.8	236.7	7838.5
	% Fixture	97.0	3.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.7	0.9
10°-20°	175.2	2.2
20°-30°	303.1	3.9
30°-40°	537.1	6.9
40°-50°	832.6	10.6
50°-60°	1340.4	17.1
60°-70°	1971.2	25.1
70°-80°	1897.9	24.2
80°-90°	473.3	6.0
90°-100°	176.5	2.3
100°-110°	39.1	0.5
110°-120°	8.4	0.1
120°-130°	7.0	0.1
130°-140°	3.0	0.0
140°-150°	1.3	0.0
150°-160°	1.4	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7601.8	97.0
0°-180°	7838.5	100.0



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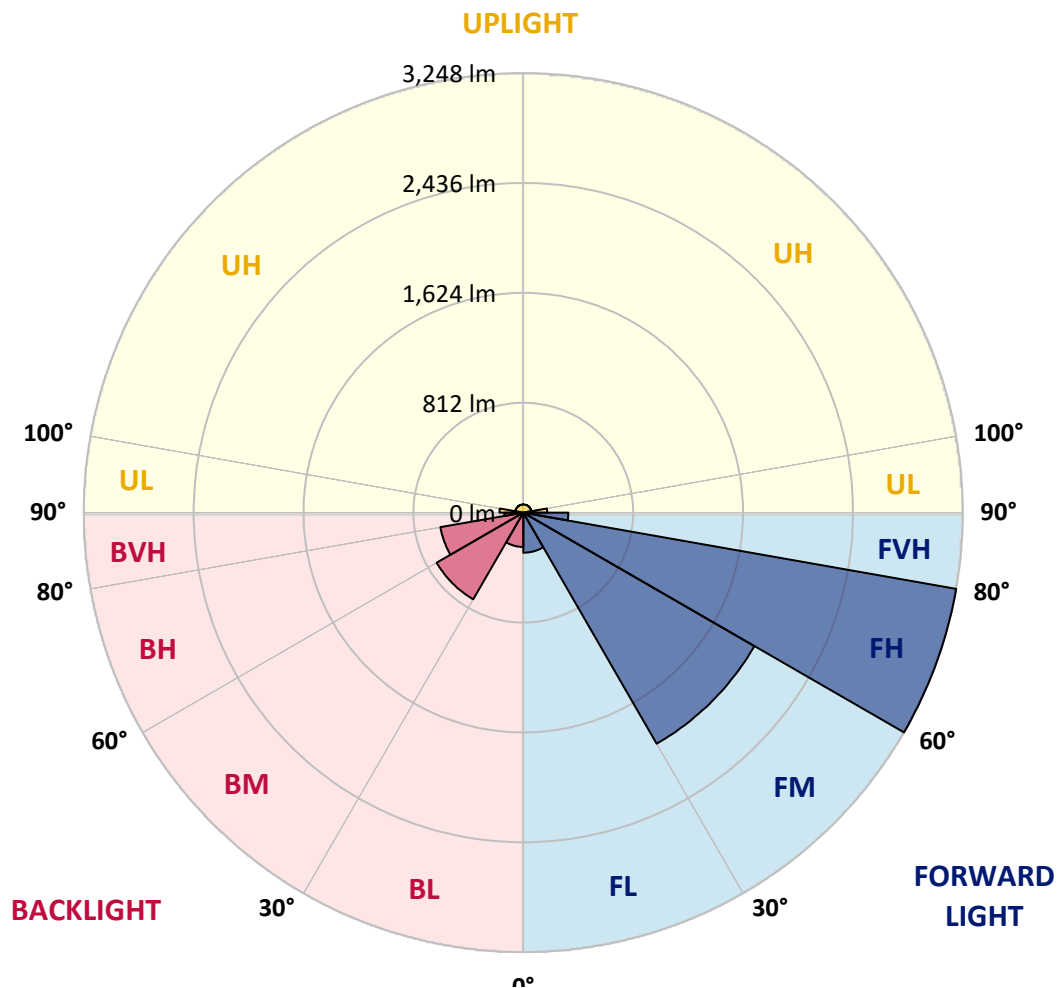
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	295.9	3.8			
FM	(30°-60°)	1971.5	25.2			
FH	(60°-80°)	3247.5	41.4			G2/5000
FVH	(80°-90°)	332.4	4.2			G3/500
BL	(0°-30°)	253.2	3.2	B1/500		
BM	(30°-60°)	738.7	9.4	B1/1000		
BH	(60°-80°)	621.6	7.9	B2/1000		G2/1000
BVH	(80°-90°)	140.9	1.8			G2/225
UL	(90°-100°)	176.5	2.3		U3/500	
UH	(100°-180°)	60.2	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°	50°	55°	65°	75°	85°
0°	851.0	851.0	851.0	851.0	851.0	851.0	851.0	851.0	851.0	851.0	851.0
2.5°	773.9	847.9	835.5	844.8	844.8	847.9	851.0	851.0	854.0	851.0	851.0
5°	789.3	786.2	780.0	773.9	767.7	758.5	758.5	758.5	832.5	838.6	832.5
7.5°	736.9	801.6	795.5	783.1	783.1	773.9	761.5	749.2	727.6	721.5	730.7
10°	832.5	829.4	820.1	801.6	733.8	746.1	669.0	604.3	579.6	595.1	635.1
12.5°	740.0	792.4	814.0	814.0	727.6	625.9	558.1	595.1	573.5	511.8	558.1
15°	872.5	866.4	841.7	801.6	638.2	635.1	598.1	524.1	533.4	579.6	622.8
17.5°	746.1	746.1	835.5	764.6	656.7	533.4	530.3	588.9	539.6	514.9	539.6
20°	900.3	897.2	869.5	635.1	662.9	653.6	539.6	601.2	514.9	592.0	647.5
22.5°	764.6	758.5	801.6	761.5	632.0	659.8	505.6	570.4	613.6	542.6	502.6
25°	900.3	906.5	894.1	678.3	718.4	598.1	610.5	650.5	564.2	687.5	715.3
27.5°	792.4	792.4	758.5	758.5	666.0	718.4	573.5	610.5	672.1	743.0	872.5
30°	971.2	974.3	952.7	730.7	736.9	690.6	666.0	709.1	807.8	965.0	1023.6
32.5°	1187.0	1187.0	1020.5	872.5	740.0	832.5	703.0	773.9	915.7	995.9	1072.9
35°	1322.7	1307.3	1233.3	980.4	798.5	851.0	795.5	823.2	949.6	1066.8	1122.3
37.5°	1516.9	1510.8	1436.8	1076.0	857.1	906.5	826.3	857.1	1011.3	1119.2	1183.9
40°	1785.2	1754.3	1689.6	1242.5	928.0	955.8	863.3	900.3	1085.3	1187.0	1264.1
42.5°	1997.9	2004.1	1957.8	1439.8	1045.2	1026.7	928.0	955.8	1165.4	1291.8	1378.2
45°	2195.2	2189.0	2198.3	1677.2	1190.1	1140.8	1042.1	1045.2	1267.2	1421.3	1538.5
47.5°	2330.9	2327.8	2349.4	1899.2	1375.1	1285.7	1168.5	1156.2	1384.3	1643.3	1757.4
50°	2494.3	2485.0	2472.7	2136.6	1584.7	1442.9	1335.0	1291.8	1535.4	1893.1	2034.9
52.5°	2694.7	2673.1	2633.0	2321.6	1816.0	1643.3	1523.1	1464.5	1738.9	2173.6	2355.5
55°	2885.8	2855.0	2821.1	2528.2	2028.7	1843.7	1714.2	1680.3	2004.1	2463.5	2697.8
57.5°	3073.9	3058.5	3030.8	2802.6	2300.0	2053.4	1908.5	1902.3	2312.4	2744.0	3064.7
60°	3249.7	3225.0	3262.0	3098.6	2552.9	2275.4	2121.2	2167.5	2651.5	3024.6	3471.6
62.5°	3357.6	3348.3	3428.5	3369.9	2787.2	2522.0	2364.8	2445.0	2978.3	3299.0	3832.4
65°	3197.2	3221.9	3539.5	3539.5	3058.5	2814.9	2660.8	2710.1	3286.7	3576.5	4162.3
67.5°	2904.3	2938.3	3369.9	3635.1	3302.1	3144.8	2984.5	3012.3	3561.1	3801.5	4430.5
70°	2654.6	2679.3	3080.1	3641.2	3456.2	3527.1	3295.9	3271.2	3773.8	3989.6	4529.2
72.5°	2435.7	2469.6	2799.5	3604.2	3607.3	3961.9	3665.9	3517.9	3968.0	4060.5	4214.7
75°	1930.1	1914.6	2287.7	3169.5	3656.6	4436.7	4100.6	3792.3	4063.6	3817.0	3305.2
77.5°	949.6	989.7	1304.2	2041.1	3086.3	4541.5	4338.0	3928.0	3817.0	3197.2	2062.6
80°	280.6	289.8	363.8	730.7	1772.8	3576.5	3582.6	3249.7	2870.4	1868.4	931.1
82.5°	157.2	160.3	209.7	317.6	727.6	2266.1	2358.6	1951.6	1270.3	690.6	465.6
85°	83.2	86.3	107.9	166.5	370.0	903.4	958.9	746.1	613.6	450.1	342.2
87.5°	40.1	40.1	37.0	55.5	135.7	218.9	243.6	277.5	246.7	231.2	283.7
90°	33.9	33.9	27.7	30.8	74.0	157.2	191.2	212.7	194.2	212.7	311.4
92.5°	37.0	37.0	27.7	30.8	80.2	175.7	209.7	237.4	206.6	228.2	345.3
95°	33.9	37.0	24.7	27.7	80.2	215.8	252.8	259.0	212.7	249.7	370.0
97.5°	27.7	27.7	18.5	21.6	70.9	252.8	277.5	268.2	188.1	191.2	296.0
100°	21.6	21.6	12.3	18.5	49.3	203.5	237.4	225.1	123.3	30.8	74.0
102.5°	18.5	18.5	9.2	15.4	21.6	98.7	126.4	123.3	74.0	18.5	15.4
105°	18.5	18.5	9.2	12.3	12.3	27.7	43.2	55.5	30.8	9.2	15.4
107.5°	18.5	18.5	9.2	6.2	6.2	12.3	15.4	15.4	15.4	9.2	18.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	18.5	18.5	6.2	6.2	3.1	6.2	6.2	6.2	6.2	9.2	18.5
115°	15.4	15.4	3.1	6.2	3.1	3.1	6.2	3.1	6.2	6.2	15.4
117.5°	15.4	12.3	3.1	3.1	3.1	3.1	3.1	3.1	6.2	9.2	18.5
120°	15.4	15.4	6.2	3.1	3.1	3.1	3.1	3.1	6.2	12.3	21.6
122.5°	15.4	15.4	6.2	3.1	0.0	3.1	3.1	3.1	6.2	12.3	24.7
125°	18.5	15.4	6.2	3.1	0.0	0.0	3.1	3.1	3.1	12.3	21.6
127.5°	15.4	12.3	6.2	3.1	0.0	0.0	3.1	3.1	3.1	9.2	18.5
130°	15.4	12.3	6.2	0.0	0.0	0.0	3.1	3.1	3.1	9.2	15.4
132.5°	12.3	9.2	6.2	0.0	0.0	0.0	3.1	3.1	3.1	6.2	12.3
135°	9.2	9.2	3.1	0.0	3.1	0.0	3.1	3.1	3.1	3.1	9.2
137.5°	6.2	6.2	3.1	0.0	0.0	0.0	3.1	3.1	3.1	3.1	3.1
140°	3.1	0.0	0.0	0.0	0.0	0.0	3.1	3.1	3.1	3.1	3.1
142.5°	0.0	0.0	0.0	0.0	0.0	3.1	3.1	3.1	3.1	3.1	3.1
145°	0.0	0.0	0.0	0.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1
147.5°	3.1	0.0	0.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
150°	9.2	9.2	9.2	6.2	3.1	3.1	3.1	6.2	3.1	3.1	3.1
152.5°	9.2	9.2	9.2	6.2	0.0	0.0	3.1	3.1	6.2	3.1	3.1
155°	6.2	6.2	6.2	0.0	0.0	0.0	3.1	3.1	3.1	6.2	6.2
157.5°	3.1	3.1	3.1	0.0	0.0	0.0	3.1	3.1	3.1	3.1	3.1
160°	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1	3.1	3.1	3.1
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°	851.0	851.0	851.0	851.0	851.0	851.0	851.0	851.0	851.0	851.0	851.0
2.5°	847.9	844.8	841.7	838.6	832.5	826.3	810.9	746.1	746.1	749.2	749.2
5°	832.5	829.4	820.1	761.5	727.6	709.1	715.3	715.3	715.3	718.4	724.5
7.5°	727.6	724.5	681.4	678.3	690.6	706.0	715.3	699.9	669.0	669.0	669.0
10°	635.1	632.0	555.0	539.6	555.0	592.0	687.5	706.0	718.4	721.5	727.6
12.5°	555.0	545.7	477.9	527.2	493.3	555.0	641.3	712.2	647.5	635.1	635.1
15°	616.6	613.6	533.4	462.5	465.6	555.0	508.7	669.0	706.0	712.2	715.3
17.5°	539.6	533.4	490.2	487.1	514.9	447.1	564.2	638.2	607.4	616.6	616.6
20°	644.4	641.3	561.1	465.6	459.4	545.7	499.5	579.6	690.6	712.2	715.3
22.5°	499.5	499.5	514.9	545.7	496.4	521.1	533.4	613.6	592.0	604.3	641.3
25°	709.1	703.0	622.8	490.2	533.4	502.6	558.1	582.7	684.5	709.1	715.3
27.5°	860.2	844.8	669.0	551.9	481.0	539.6	536.5	564.2	579.6	675.2	687.5
30°	1014.4	998.9	860.2	619.7	499.5	465.6	511.8	604.3	696.8	712.2	724.5
32.5°	1069.9	1057.5	878.7	656.7	502.6	496.4	508.7	604.3	764.6	826.3	838.6
35°	1128.4	1113.0	897.2	641.3	490.2	462.5	481.0	622.8	761.5	801.6	810.9
37.5°	1199.4	1171.6	918.8	610.5	456.3	437.8	459.4	567.3	724.5	764.6	770.8
40°	1288.8	1261.0	946.5	576.6	422.4	407.0	419.3	527.2	635.1	669.0	684.5
42.5°	1424.4	1372.0	958.9	548.8	391.6	376.1	388.5	474.8	558.1	579.6	588.9
45°	1600.2	1507.7	977.4	511.8	363.8	342.2	360.7	434.7	474.8	474.8	474.8
47.5°	1816.0	1668.0	986.6	481.0	329.9	311.4	329.9	394.6	416.2	403.9	400.8
50°	2081.1	1871.5	1032.9	444.0	302.2	286.7	317.6	348.4	357.6	363.8	363.8
52.5°	2392.5	2105.8	1060.6	407.0	283.7	274.4	305.2	326.8	329.9	336.1	336.1
55°	2731.7	2361.7	1076.0	373.1	271.3	259.0	292.9	314.5	314.5	320.6	320.6
57.5°	3083.2	2657.7	1116.1	348.4	259.0	246.7	280.6	317.6	305.2	317.6	320.6
60°	3453.1	2932.1	1082.2	323.7	240.5	237.4	283.7	339.1	336.1	351.5	354.6
62.5°	3801.5	3151.0	931.1	302.2	228.2	240.5	317.6	382.3	373.1	397.7	397.7
65°	3998.9	3225.0	684.5	289.8	218.9	259.0	351.5	425.5	394.6	407.0	400.8
67.5°	4042.0	3151.0	493.3	274.4	215.8	289.8	376.1	434.7	391.6	403.9	403.9
70°	3940.3	2978.3	397.7	262.1	212.7	292.9	382.3	434.7	394.6	422.4	416.2
72.5°	3480.9	2534.4	339.1	249.7	212.7	286.7	391.6	437.8	403.9	450.1	440.9
75°	2623.8	1896.1	299.1	237.4	200.4	277.5	397.7	440.9	391.6	440.9	434.7
77.5°	1560.1	1082.2	265.2	222.0	185.0	268.2	391.6	440.9	382.3	434.7	428.6
80°	659.8	508.7	225.1	194.2	169.6	255.9	385.4	437.8	366.9	422.4	413.1
82.5°	416.2	345.3	191.2	160.3	166.5	252.8	388.5	431.6	360.7	425.5	394.6
85°	336.1	283.7	163.4	135.7	154.2	259.0	373.1	391.6	311.4	366.9	357.6
87.5°	283.7	237.4	74.0	58.6	114.1	200.4	283.7	292.9	225.1	286.7	274.4
90°	311.4	259.0	70.9	49.3	101.7	175.7	262.1	255.9	215.8	274.4	271.3
92.5°	339.1	274.4	67.8	52.4	114.1	191.2	286.7	259.0	228.2	277.5	274.4
95°	351.5	280.6	64.7	55.5	135.7	209.7	305.2	252.8	240.5	255.9	252.8
97.5°	265.2	203.5	61.7	58.6	141.8	237.4	286.7	212.7	157.2	157.2	154.2
100°	67.8	67.8	55.5	55.5	95.6	172.7	218.9	157.2	89.4	67.8	70.9
102.5°	18.5	21.6	49.3	52.4	52.4	77.1	123.3	101.7	58.6	9.2	9.2
105°	18.5	18.5	33.9	40.1	27.7	24.7	49.3	55.5	43.2	6.2	9.2
107.5°	18.5	18.5	15.4	21.6	9.2	12.3	12.3	15.4	15.4	6.2	6.2



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CATALOG NUMBER: SDL-PA1-80-730-U-T4W-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	21.6	18.5	9.2	6.2	6.2	6.2	6.2	6.2	6.2	15.4	15.4
115°	18.5	15.4	9.2	6.2	6.2	6.2	6.2	3.1	6.2	18.5	18.5
117.5°	21.6	18.5	9.2	6.2	3.1	6.2	6.2	3.1	6.2	21.6	21.6
120°	24.7	21.6	9.2	6.2	3.1	3.1	3.1	3.1	9.2	21.6	21.6
122.5°	24.7	24.7	12.3	3.1	3.1	3.1	3.1	3.1	9.2	21.6	21.6
125°	24.7	21.6	9.2	3.1	3.1	3.1	0.0	3.1	9.2	21.6	24.7
127.5°	18.5	18.5	9.2	3.1	3.1	3.1	0.0	3.1	9.2	18.5	21.6
130°	15.4	15.4	6.2	3.1	3.1	3.1	0.0	3.1	9.2	18.5	18.5
132.5°	12.3	12.3	6.2	3.1	3.1	0.0	0.0	0.0	9.2	15.4	15.4
135°	9.2	9.2	3.1	3.1	3.1	0.0	0.0	0.0	6.2	12.3	12.3
137.5°	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	3.1	6.2	6.2
140°	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	3.1	3.1
142.5°	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	3.1	3.1
145°	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	3.1
147.5°	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	3.1	3.1
150°	3.1	3.1	3.1	3.1	3.1	0.0	0.0	3.1	6.2	3.1	6.2
152.5°	3.1	3.1	3.1	3.1	3.1	0.0	0.0	3.1	6.2	6.2	6.2
155°	6.2	6.2	6.2	3.1	3.1	0.0	0.0	0.0	3.1	6.2	6.2
157.5°	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	3.1	3.1	3.1	3.1	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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110°	21.6	21.6	6.2	6.2	6.2	6.2	6.2	6.2	6.2	9.2	18.5
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110°	21.6	18.5	9.2	9.2	6.2	6.2	6.2	6.2	6.2	12.3	12.3
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(END OF REPORT)