

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: P561065

Luminaire Tested: **SDL-PA1-80-730-U-T2R**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561065
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-20)
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-T2R
Description: Springdale
(1) 70 CRI, 3000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE II R OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8418.2 lumens
Efficiency: N/A
Efficacy: 102.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

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



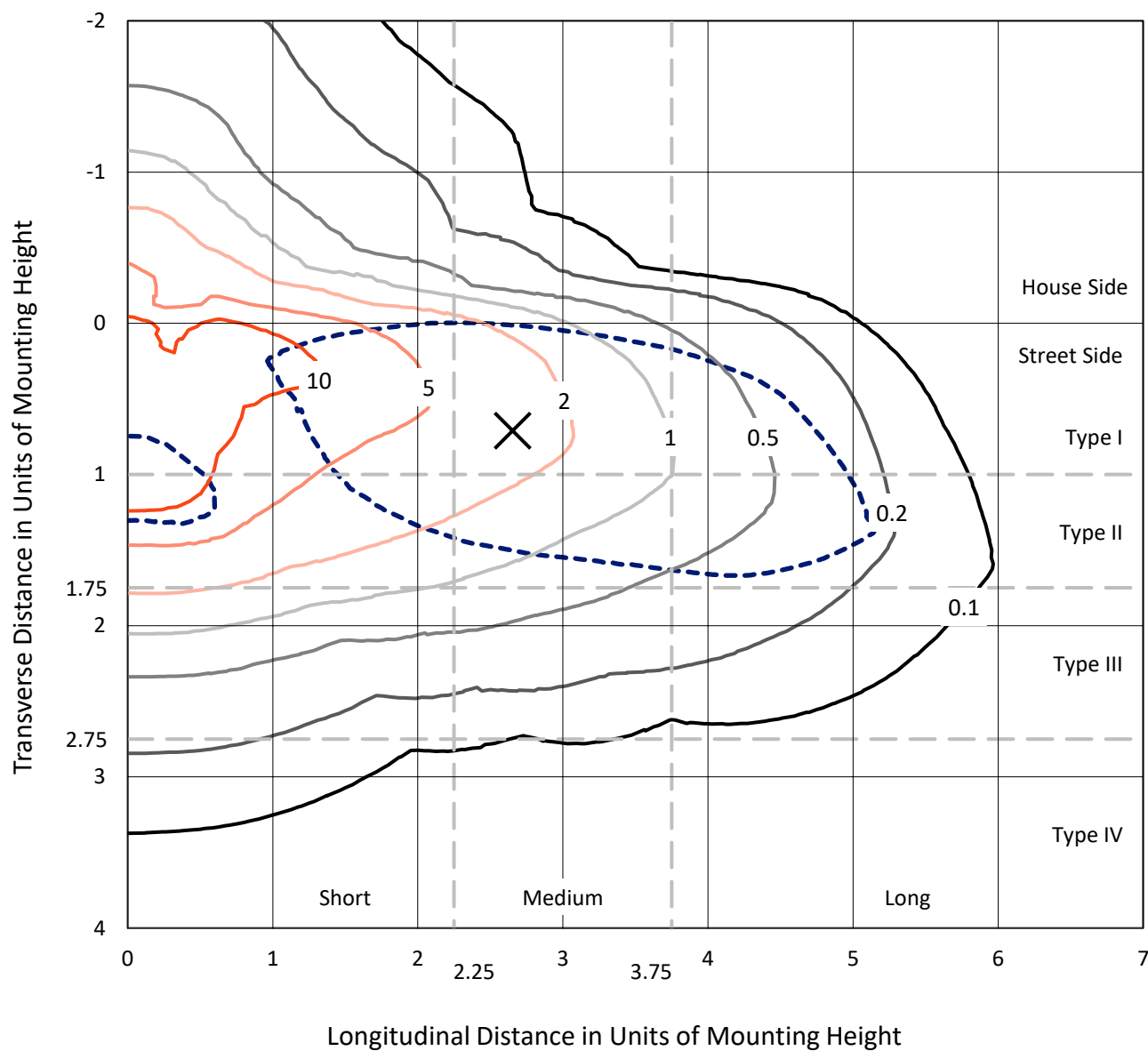
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



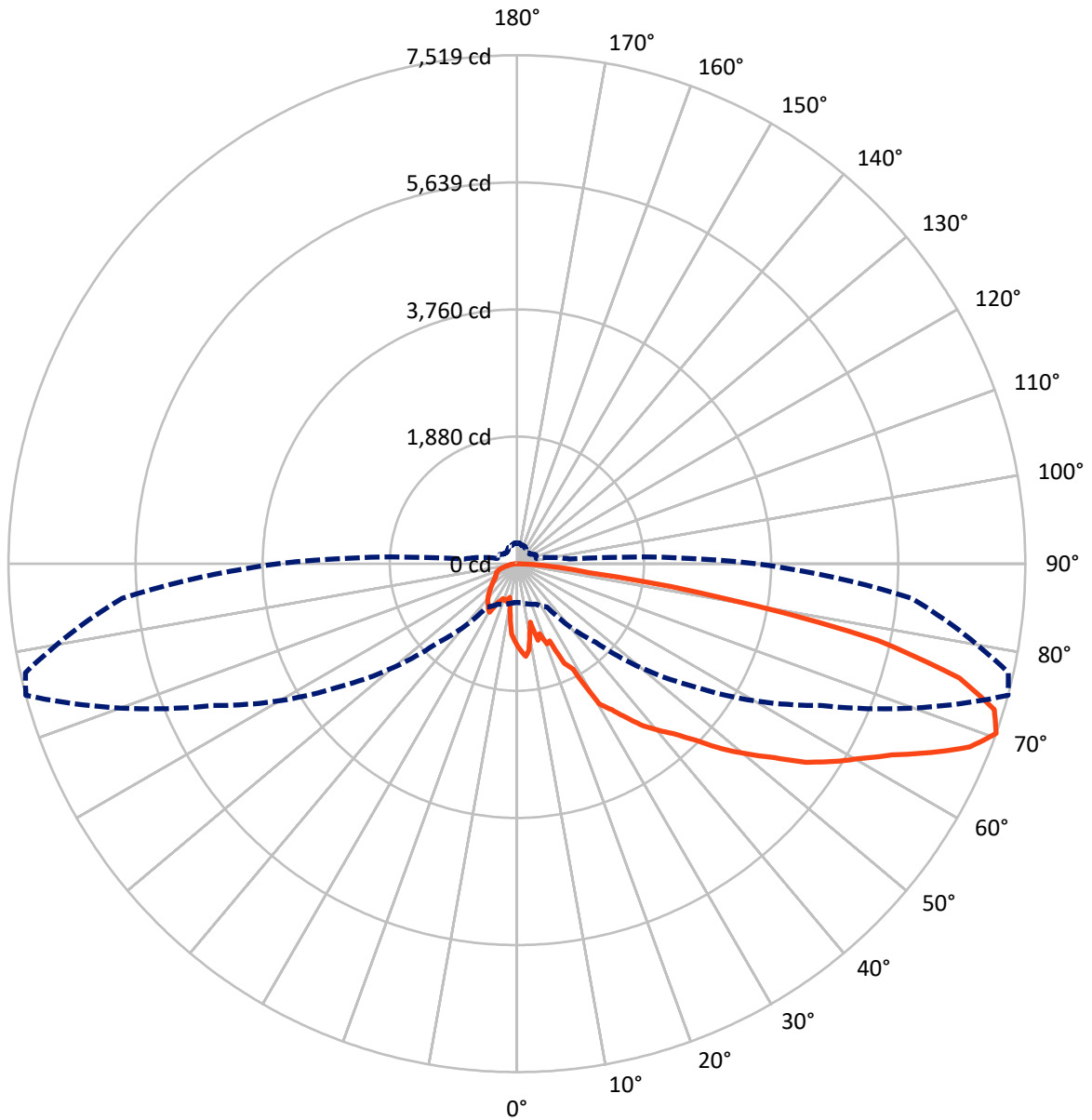
Based on 10 foot mounting height. Maximum calculated value = 19.2 fc

Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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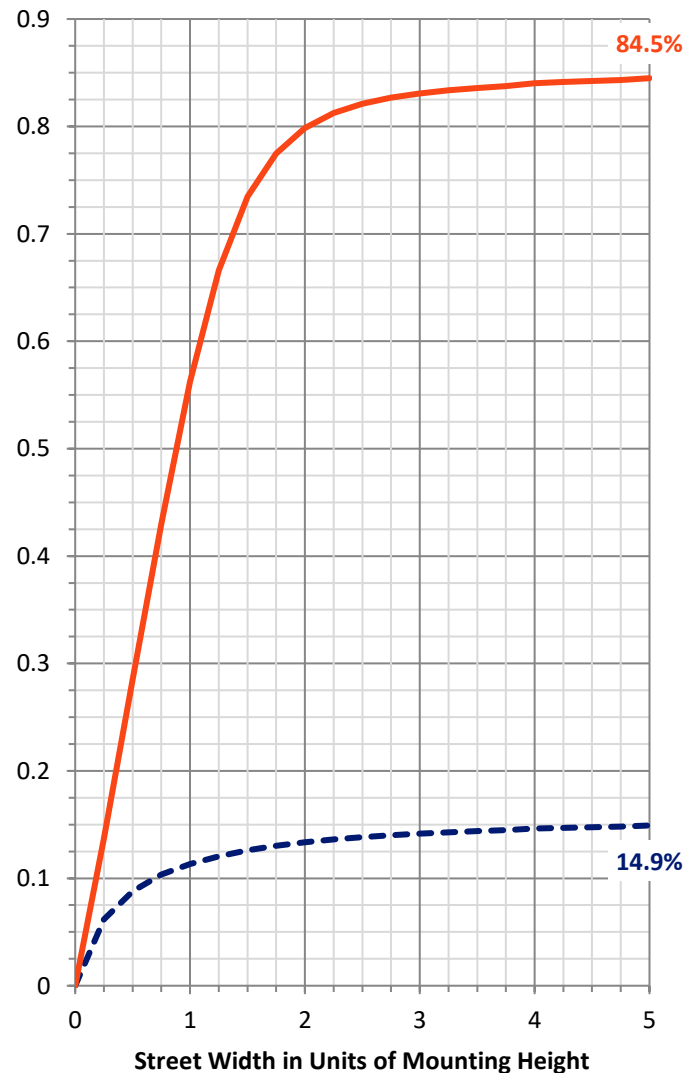
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1280.6	0.0	1280.6
	% Fixture	15.2	0.0	15.2
Street Side	Lumens	7137.6	0.0	7137.6
	% Fixture	84.8	0.0	84.8
Total	Lumens	8418.2	0.0	8418.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.6	1.2
10°-20°	267.4	3.2
20°-30°	488.9	5.8
30°-40°	992.5	11.8
40°-50°	1523.3	18.1
50°-60°	1836.4	21.8
60°-70°	1776.0	21.1
70°-80°	1231.9	14.6
80°-90°	201.2	2.4
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°	8418.2	100.0
0°-180°	8418.2	100.0



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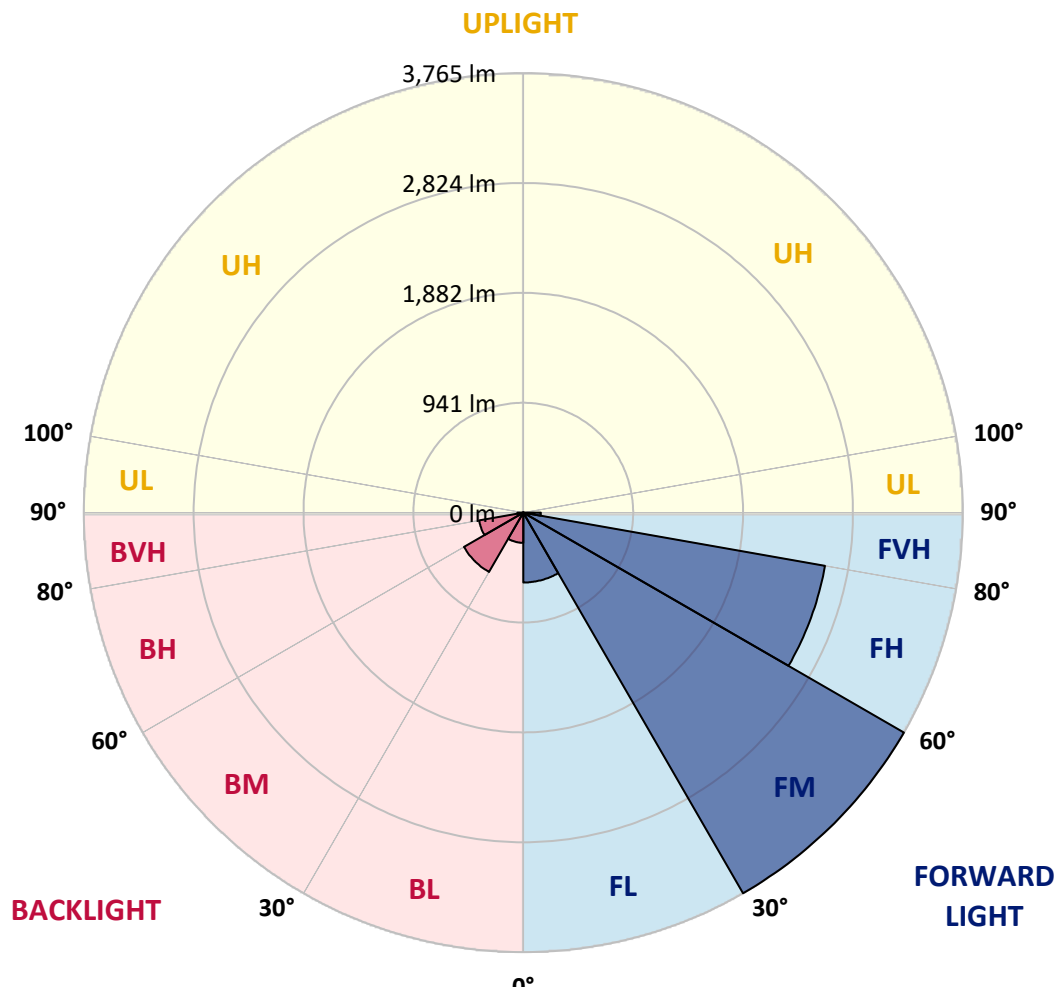
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	598.4	7.1			
FM	(30°-60°)	3764.8	44.7			
FH	(60°-80°)	2623.8	31.2			G2/5000
FVH	(80°-90°)	150.7	1.8			G2/225
BL	(0°-30°)	258.6	3.1	B1/500		
BM	(30°-60°)	587.4	7.0	B1/1000		
BH	(60°-80°)	384.1	4.6	B1/500		G1/500
BVH	(80°-90°)	50.5	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6
2.5°	1263.0	1383.7	1324.9	1393.0	1427.1	1405.4	1386.8	1340.4	1300.2	1284.7	1244.4
5°	1393.0	1389.9	1374.5	1368.3	1340.4	1306.4	1278.5	1433.3	1377.6	1349.7	1278.5
7.5°	1235.2	1340.4	1417.8	1458.0	1458.0	1417.8	1374.5	1185.6	1281.6	1256.8	1154.7
10°	1550.9	1550.9	1547.8	1550.9	1272.3	1340.4	1151.6	1071.1	1037.0	1117.5	1037.0
12.5°	1318.7	1433.3	1563.3	1609.7	1482.8	1266.1	1179.4	1133.0	888.4	869.9	919.4
15°	1550.9	1560.2	1572.6	1383.7	1176.3	1343.5	1027.7	1018.5	1176.3	1148.5	1160.9
17.5°	1244.4	1256.8	1526.1	1492.1	1368.3	1018.5	1281.6	1145.4	1086.6	1049.4	1046.3
20°	1569.5	1575.7	1572.6	1179.4	1263.0	1386.8	1328.0	1009.2	1266.1	1281.6	1297.1
22.5°	1328.0	1331.1	1346.6	1501.4	1278.5	1445.7	1198.0	1504.5	1241.3	1278.5	965.8
25°	1786.2	1786.2	1730.5	1352.8	1547.8	1318.7	1458.0	1294.0	1628.3	1585.0	1451.9
27.5°	1665.4	1653.1	1588.1	1674.7	1396.1	1668.5	1442.6	1625.2	1767.6	1705.7	1761.4
30°	2340.3	2355.8	2272.2	1739.7	1699.5	1600.4	1662.4	1925.5	2405.3	2371.3	2117.4
32.5°	3132.8	2987.3	2606.5	2253.6	1857.4	1953.3	1857.4	2272.2	2575.6	2581.8	2241.2
35°	3516.6	3504.3	3340.2	2659.1	2136.0	2136.0	2083.4	2371.3	2795.4	2755.1	2374.3
37.5°	3823.1	3804.5	3690.0	3005.9	2386.7	2374.3	2204.1	2522.9	3046.1	2943.9	2519.8
40°	4083.1	4058.4	3959.3	3247.3	2659.1	2600.3	2352.7	2696.3	3241.1	3250.4	2659.1
42.5°	4256.5	4247.2	4176.0	3467.1	2885.1	2779.9	2550.8	2919.2	3448.5	3501.2	2832.5
45°	4392.7	4389.6	4327.7	3708.6	3046.1	2943.9	2761.3	3086.3	3733.3	3764.3	3018.2
47.5°	4408.2	4420.6	4420.6	3829.3	3157.5	3089.4	2978.0	3234.9	4095.5	4030.5	3234.9
50°	4247.2	4259.6	4337.0	4030.5	3253.5	3210.2	3163.7	3414.5	4426.8	4330.8	3464.0
52.5°	3835.5	3863.3	4073.8	3931.5	3303.0	3299.9	3337.1	3646.7	4764.2	4662.0	3767.4
55°	2950.1	2968.7	3491.9	3640.5	3287.6	3321.6	3467.1	3934.5	5182.1	5092.3	4086.2
57.5°	2253.6	2306.2	2634.4	3089.4	3117.3	3303.0	3550.7	4135.8	5519.5	5429.7	4380.3
60°	1814.0	1851.2	2043.1	2442.5	2752.0	3222.6	3665.2	4386.5	5847.6	5804.3	4696.1
62.5°	1420.9	1445.7	1578.8	1841.9	2235.0	3033.7	3736.4	4658.9	6225.3	6203.6	5107.8
65°	1018.5	1043.2	1160.9	1334.2	1727.4	2677.7	3702.4	4919.0	6733.0	6711.3	5507.1
67.5°	743.0	749.1	826.5	944.2	1225.9	2166.9	3535.2	5083.0	7228.3	7185.0	5813.6
70°	572.7	578.9	616.0	659.4	783.2	1640.7	3145.2	4959.2	7519.3	7445.0	5860.0
72.5°	464.3	464.3	479.8	501.5	535.5	1071.1	2470.3	4473.2	7383.1	7237.6	5473.1
75°	390.0	390.0	399.3	393.1	374.6	668.7	1718.1	3736.4	6760.9	6578.2	4764.2
77.5°	328.1	325.0	325.0	328.1	291.0	455.1	1049.4	2878.9	5463.8	5287.3	3532.1
80°	269.3	269.3	269.3	269.3	238.4	325.0	625.3	1910.0	3139.0	2739.6	1619.0
82.5°	198.1	201.2	210.5	210.5	198.1	238.4	325.0	798.7	1074.2	950.4	572.7
85°	92.9	96.0	123.8	130.0	126.9	117.6	170.3	359.1	501.5	455.1	133.1
87.5°	3.1	3.1	12.4	27.9	24.8	18.6	34.1	49.5	18.6	21.7	15.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	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):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	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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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6	1216.6
2.5°	1216.6	1188.7	1123.7	1068.0	1009.2	968.9	879.2	814.2	780.1	773.9	783.2
5°	1222.8	1160.9	1030.8	866.8	743.0	712.0	699.6	696.5	693.4	693.4	693.4
7.5°	1077.3	996.8	801.8	681.0	699.6	699.6	699.6	690.3	634.6	609.8	609.8
10°	950.4	845.1	597.5	551.0	554.1	582.0	656.3	733.7	749.1	752.2	755.3
12.5°	823.4	721.3	507.7	535.5	482.9	572.7	677.9	755.3	681.0	643.9	643.9
15°	1037.0	891.5	588.2	470.5	476.7	572.7	517.0	699.6	749.1	752.2	755.3
17.5°	934.9	786.3	547.9	495.3	523.2	436.5	591.3	662.5	609.8	603.6	597.5
20°	1136.1	934.9	572.7	492.2	489.1	529.4	501.5	501.5	681.0	681.0	681.0
22.5°	842.0	693.4	557.2	554.1	467.4	523.2	498.4	557.2	535.5	526.3	526.3
25°	1235.2	978.2	609.8	486.0	501.5	461.2	513.9	458.2	566.5	572.7	572.7
27.5°	1482.8	1148.5	662.5	538.6	461.2	495.3	424.1	461.2	436.5	439.6	439.6
30°	1767.6	1346.6	823.4	563.4	473.6	408.6	421.0	399.3	473.6	464.3	461.2
32.5°	1845.0	1359.0	792.5	597.5	461.2	411.7	380.8	411.7	439.6	479.8	479.8
35°	1934.8	1371.4	749.1	569.6	452.0	383.9	377.7	411.7	445.8	433.4	433.4
37.5°	2018.4	1380.7	715.1	535.5	414.8	374.6	374.6	380.8	414.8	396.2	396.2
40°	2114.3	1383.7	674.8	498.4	383.9	368.4	346.7	352.9	356.0	343.6	340.5
42.5°	2222.7	1380.7	628.4	464.3	356.0	343.6	328.1	328.1	337.4	334.3	331.2
45°	2340.3	1377.6	578.9	424.1	325.0	309.6	300.3	337.4	352.9	352.9	346.7
47.5°	2482.7	1377.6	532.4	377.7	303.4	278.6	272.4	312.7	343.6	349.8	356.0
50°	2646.8	1371.4	489.1	343.6	281.7	260.0	269.3	309.6	334.3	343.6	340.5
52.5°	2860.4	1359.0	452.0	315.8	266.2	238.4	253.8	300.3	331.2	334.3	331.2
55°	3046.1	1315.6	414.8	303.4	253.8	226.0	244.6	297.2	325.0	325.0	325.0
57.5°	3204.0	1253.7	383.9	294.1	250.7	222.9	241.5	294.1	312.7	321.9	321.9
60°	3395.9	1176.3	362.2	291.0	247.7	219.8	238.4	291.0	306.5	318.8	318.8
62.5°	3594.0	1111.3	349.8	291.0	238.4	222.9	238.4	291.0	303.4	318.8	315.8
65°	3755.0	1027.7	337.4	297.2	235.3	222.9	238.4	291.0	300.3	315.8	315.8
67.5°	3745.7	913.2	321.9	312.7	238.4	226.0	238.4	287.9	294.1	315.8	309.6
70°	3535.2	780.1	297.2	309.6	247.7	226.0	235.3	278.6	281.7	309.6	300.3
72.5°	3154.4	631.5	263.1	291.0	247.7	229.1	229.1	266.2	266.2	297.2	278.6
75°	2640.6	486.0	216.7	256.9	235.3	235.3	216.7	250.7	244.6	263.1	244.6
77.5°	1968.8	368.4	167.2	213.6	213.6	232.2	207.4	232.2	222.9	226.0	216.7
80°	820.3	222.9	126.9	167.2	182.6	226.0	198.1	210.5	188.8	188.8	182.6
82.5°	340.5	142.4	86.7	105.3	123.8	201.2	188.8	179.5	154.8	142.4	133.1
85°	123.8	77.4	58.8	71.2	80.5	139.3	136.2	114.5	89.8	99.1	80.5
87.5°	9.3	12.4	12.4	15.5	15.5	18.6	31.0	31.0	18.6	15.5	9.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P561065

CATALOG NUMBER: SDL-PA1-80-730-U-T2R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	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



Report Generated By 670245982



--- HS --- SS



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110°	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°	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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(END OF REPORT)