

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: P560735

Luminaire Tested: **SDL-PA1-60-740-U-T2R**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560735
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-PA1-60-740-U-T2R
Description: Springdale
(1) 70 CRI, 4000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE II R OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7425.8 lumens
Efficiency: N/A
Efficacy: 119.0 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): 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



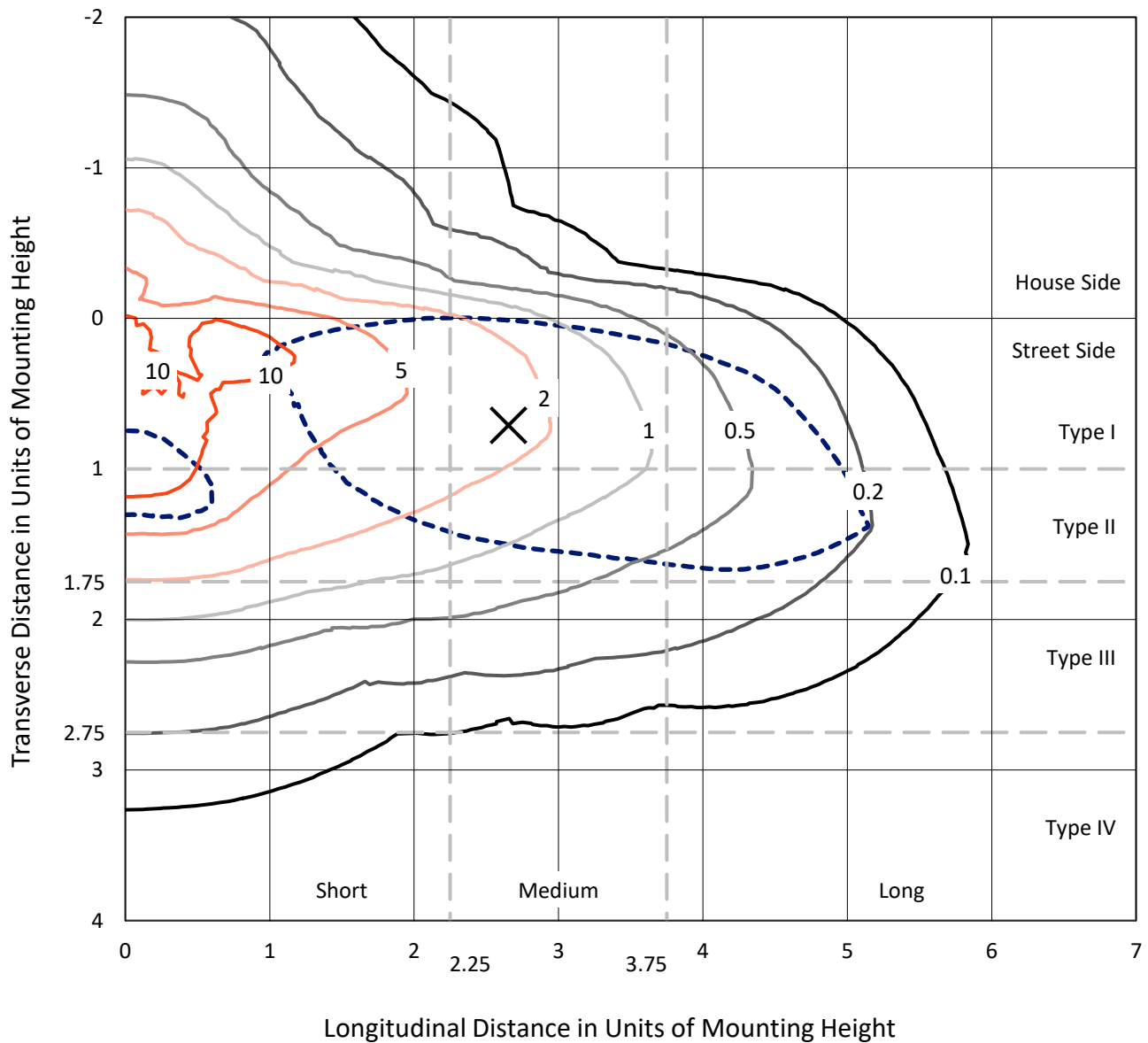
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

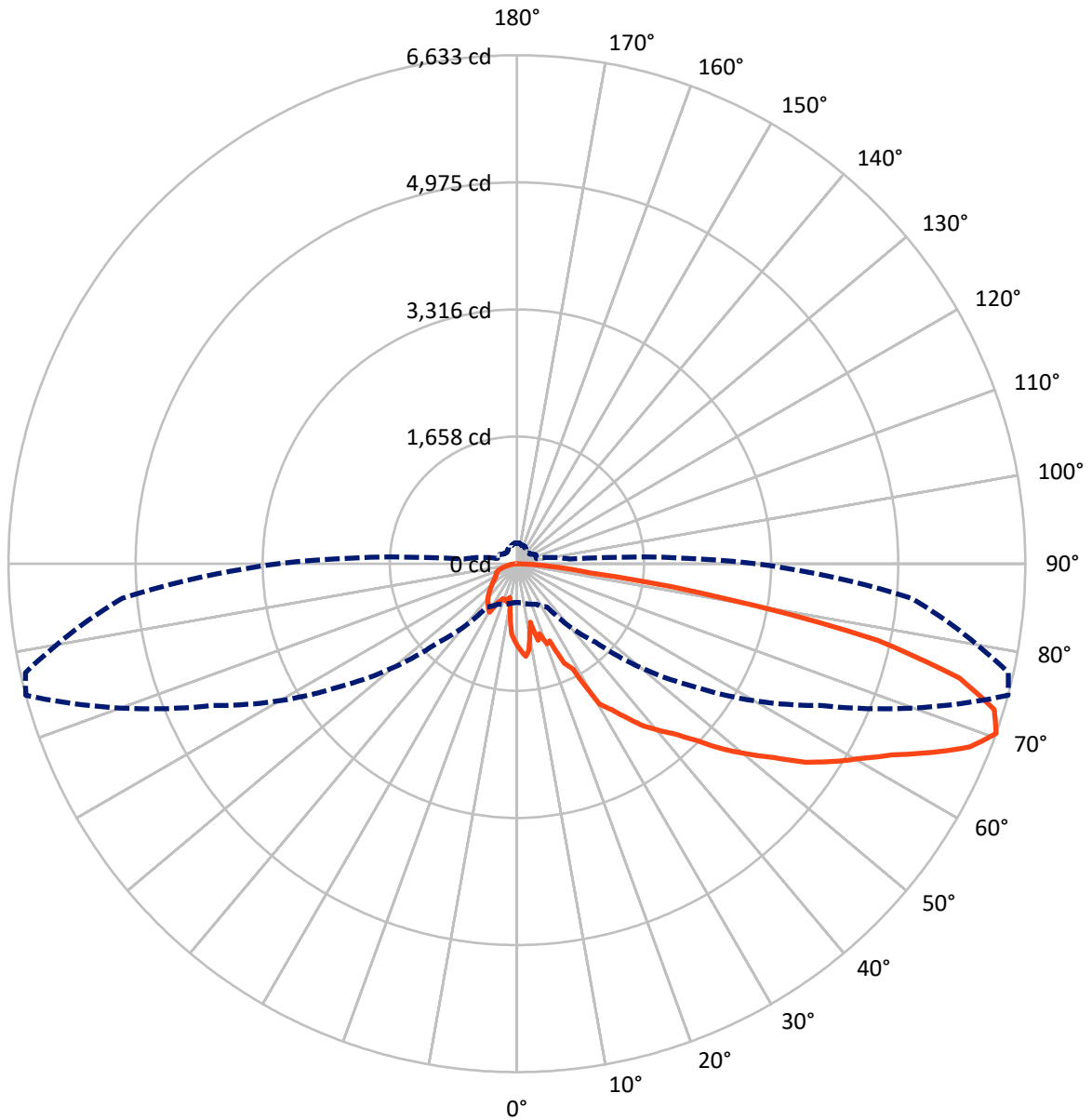


Based on 10 foot mounting height. Maximum calculated value = 16.9 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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

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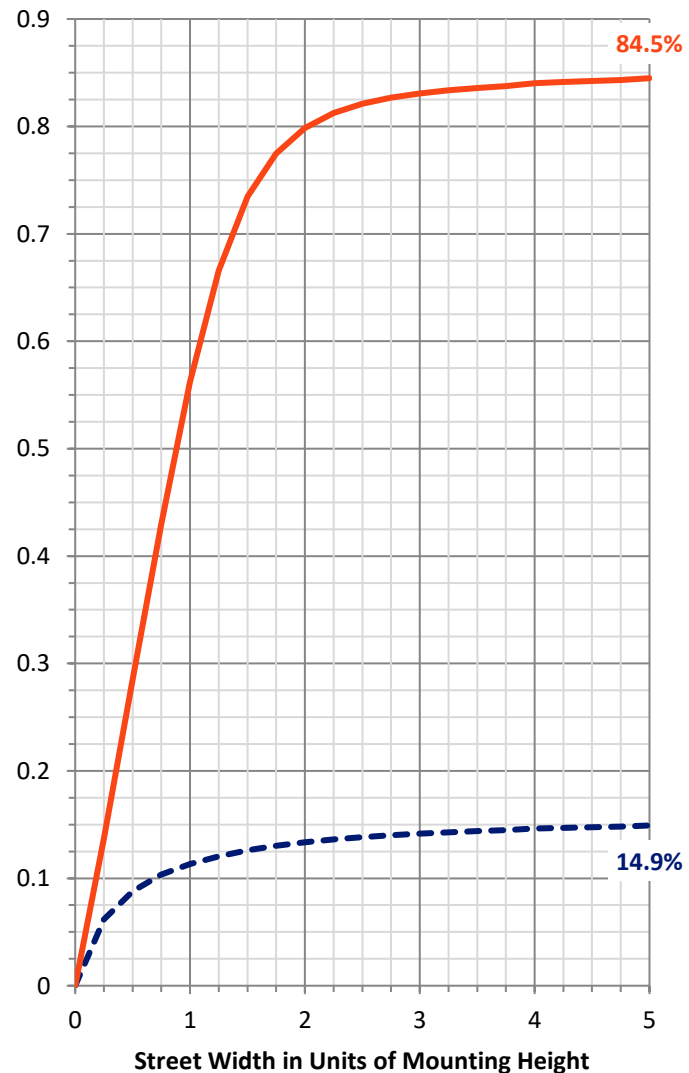
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1129.6	0.0	1129.6
	% Fixture	15.2	0.0	15.2
Street Side	Lumens	6296.1	0.0	6296.1
	% Fixture	84.8	0.0	84.8
Total	Lumens	7425.8	0.0	7425.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.7	1.2
10°-20°	235.9	3.2
20°-30°	431.3	5.8
30°-40°	875.5	11.8
40°-50°	1343.7	18.1
50°-60°	1619.9	21.8
60°-70°	1566.6	21.1
70°-80°	1086.7	14.6
80°-90°	177.5	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°	7425.8	100.0
0°-180°	7425.8	100.0



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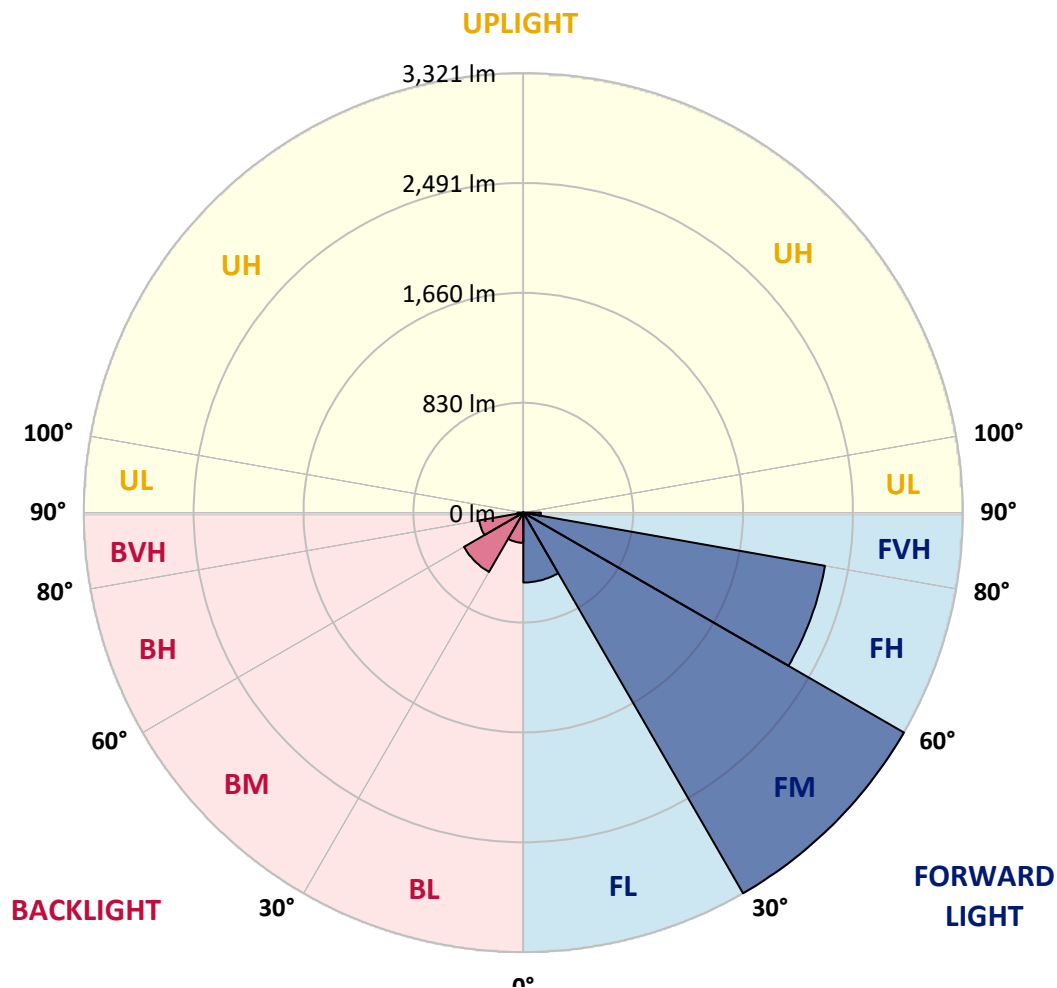
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	527.8	7.1			
FM	(30°-60°)	3321.0	44.7			
FH	(60°-80°)	2314.4	31.2			G2/5000
FVH	(80°-90°)	132.9	1.8			G2/225
BL	(0°-30°)	228.1	3.1	B1/500		
BM	(30°-60°)	518.1	7.0	B1/1000		
BH	(60°-80°)	338.8	4.6	B1/500		G1/500
BVH	(80°-90°)	44.6	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°	1073.2	1073.2	1073.2	1073.2	1073.2	1073.2	1073.2	1073.2	1073.2	1073.2	1073.2
2.5°	1114.1	1220.6	1168.7	1228.8	1258.8	1239.7	1223.3	1182.4	1146.9	1133.2	1097.7
5°	1228.8	1226.1	1212.4	1207.0	1182.4	1152.3	1127.8	1264.3	1215.2	1190.6	1127.8
7.5°	1089.5	1182.4	1250.7	1286.1	1286.1	1250.7	1212.4	1045.8	1130.5	1108.7	1018.5
10°	1368.1	1368.1	1365.3	1368.1	1122.3	1182.4	1015.8	944.8	914.8	985.8	914.8
12.5°	1163.3	1264.3	1379.0	1420.0	1308.0	1116.8	1040.4	999.4	783.7	767.3	811.0
15°	1368.1	1376.3	1387.2	1220.6	1037.7	1185.1	906.6	898.4	1037.7	1013.1	1024.0
17.5°	1097.7	1108.7	1346.2	1316.2	1207.0	898.4	1130.5	1010.4	958.5	925.7	923.0
20°	1384.5	1389.9	1387.2	1040.4	1114.1	1223.3	1171.5	890.2	1116.8	1130.5	1144.2
22.5°	1171.5	1174.2	1187.8	1324.4	1127.8	1275.2	1056.8	1327.1	1095.0	1127.8	852.0
25°	1575.6	1575.6	1526.4	1193.3	1365.3	1163.3	1286.1	1141.4	1436.3	1398.1	1280.7
27.5°	1469.1	1458.2	1400.8	1477.3	1231.5	1471.8	1272.5	1433.6	1559.2	1504.6	1553.8
30°	2064.4	2078.0	2004.3	1534.6	1499.1	1411.8	1466.4	1698.5	2121.7	2091.7	1867.8
32.5°	2763.4	2635.1	2299.2	1987.9	1638.4	1723.1	1638.4	2004.3	2271.9	2277.4	1977.0
35°	3102.0	3091.1	2946.4	2345.7	1884.2	1884.2	1837.7	2091.7	2465.8	2430.3	2094.4
37.5°	3372.4	3356.0	3255.0	2651.5	2105.4	2094.4	1944.2	2225.5	2687.0	2596.9	2222.8
40°	3601.8	3579.9	3492.5	2864.5	2345.7	2293.8	2075.3	2378.4	2859.0	2867.2	2345.7
42.5°	3754.7	3746.5	3683.7	3058.4	2545.0	2452.1	2250.1	2575.0	3042.0	3088.4	2498.6
45°	3874.8	3872.1	3817.5	3271.4	2687.0	2596.9	2435.8	2722.5	3293.2	3320.5	2662.4
47.5°	3888.5	3899.4	3899.4	3377.8	2785.3	2725.2	2626.9	2853.6	3612.7	3555.3	2853.6
50°	3746.5	3757.4	3825.7	3555.3	2869.9	2831.7	2790.8	3011.9	3904.9	3820.2	3055.6
52.5°	3383.3	3407.9	3593.6	3468.0	2913.6	2910.9	2943.7	3216.7	4202.5	4112.4	3323.2
55°	2602.3	2618.7	3080.2	3211.3	2900.0	2930.0	3058.4	3470.7	4571.2	4492.0	3604.5
57.5°	1987.9	2034.4	2323.8	2725.2	2749.8	2913.6	3132.1	3648.2	4868.8	4789.6	3863.9
60°	1600.2	1632.9	1802.2	2154.5	2427.6	2842.6	3233.1	3869.4	5158.2	5120.0	4142.4
62.5°	1253.4	1275.2	1392.6	1624.8	1971.5	2676.1	3295.9	4109.7	5491.4	5472.3	4505.6
65°	898.4	920.2	1024.0	1176.9	1523.7	2362.0	3265.9	4339.0	5939.2	5920.1	4857.9
67.5°	655.4	660.8	729.1	832.9	1081.3	1911.5	3118.4	4483.8	6376.1	6337.9	5128.2
70°	505.2	510.6	543.4	581.6	690.9	1447.3	2774.4	4374.5	6632.8	6567.3	5169.2
72.5°	409.6	409.6	423.3	442.4	472.4	944.8	2179.1	3945.8	6512.7	6384.3	4827.8
75°	344.1	344.1	352.3	346.8	330.4	589.8	1515.5	3295.9	5963.8	5802.7	4202.5
77.5°	289.5	286.7	286.7	289.5	256.7	401.4	925.7	2539.5	4819.6	4664.0	3115.7
80°	237.6	237.6	237.6	237.6	210.3	286.7	551.6	1684.8	2768.9	2416.6	1428.1
82.5°	174.8	177.5	185.7	185.7	174.8	210.3	286.7	704.5	947.5	838.3	505.2
85°	81.9	84.7	109.2	114.7	112.0	103.8	150.2	316.8	442.4	401.4	117.4
87.5°	2.7	2.7	10.9	24.6	21.8	16.4	30.0	43.7	16.4	19.1	13.7
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°	1073.2	1073.2	1073.2	1073.2	1073.2	1073.2	1073.2	1073.2	1073.2	1073.2	1073.2
2.5°	1073.2	1048.6	991.2	942.1	890.2	854.7	775.5	718.2	688.1	682.7	690.9
5°	1078.6	1024.0	909.3	764.6	655.4	628.1	617.1	614.4	611.7	611.7	611.7
7.5°	950.3	879.3	707.2	600.7	617.1	617.1	617.1	608.9	559.8	537.9	537.9
10°	838.3	745.5	527.0	486.1	488.8	513.4	578.9	647.2	660.8	663.6	666.3
12.5°	726.4	636.2	447.8	472.4	426.0	505.2	598.0	666.3	600.7	568.0	568.0
15°	914.8	786.4	518.8	415.1	420.5	505.2	456.0	617.1	660.8	663.6	666.3
17.5°	824.7	693.6	483.3	436.9	461.5	385.0	521.6	584.4	537.9	532.5	527.0
20°	1002.2	824.7	505.2	434.2	431.4	466.9	442.4	442.4	600.7	600.7	600.7
22.5°	742.7	611.7	491.5	488.8	412.3	461.5	439.6	491.5	472.4	464.2	464.2
25°	1089.5	862.9	537.9	428.7	442.4	406.9	453.3	404.1	499.7	505.2	505.2
27.5°	1308.0	1013.1	584.4	475.1	406.9	436.9	374.1	406.9	385.0	387.8	387.8
30°	1559.2	1187.8	726.4	497.0	417.8	360.4	371.4	352.3	417.8	409.6	406.9
32.5°	1627.5	1198.8	699.1	527.0	406.9	363.2	335.9	363.2	387.8	423.3	423.3
35°	1706.7	1209.7	660.8	502.4	398.7	338.6	333.1	363.2	393.2	382.3	382.3
37.5°	1780.4	1217.9	630.8	472.4	365.9	330.4	330.4	335.9	365.9	349.5	349.5
40°	1865.1	1220.6	595.3	439.6	338.6	325.0	305.8	311.3	314.0	303.1	300.4
42.5°	1960.6	1217.9	554.3	409.6	314.0	303.1	289.5	289.5	297.6	294.9	292.2
45°	2064.4	1215.2	510.6	374.1	286.7	273.1	264.9	297.6	311.3	311.3	305.8
47.5°	2190.0	1215.2	469.7	333.1	267.6	245.8	240.3	275.8	303.1	308.6	314.0
50°	2334.7	1209.7	431.4	303.1	248.5	229.4	237.6	273.1	294.9	303.1	300.4
52.5°	2523.1	1198.8	398.7	278.5	234.8	210.3	223.9	264.9	292.2	294.9	292.2
55°	2687.0	1160.5	365.9	267.6	223.9	199.3	215.7	262.1	286.7	286.7	286.7
57.5°	2826.3	1105.9	338.6	259.4	221.2	196.6	213.0	259.4	275.8	284.0	284.0
60°	2995.6	1037.7	319.5	256.7	218.5	193.9	210.3	256.7	270.3	281.3	281.3
62.5°	3170.3	980.3	308.6	256.7	210.3	196.6	210.3	256.7	267.6	281.3	278.5
65°	3312.3	906.6	297.6	262.1	207.5	196.6	210.3	256.7	264.9	278.5	278.5
67.5°	3304.1	805.5	284.0	275.8	210.3	199.3	210.3	254.0	259.4	278.5	273.1
70°	3118.4	688.1	262.1	273.1	218.5	199.3	207.5	245.8	248.5	273.1	264.9
72.5°	2782.6	557.1	232.1	256.7	218.5	202.1	202.1	234.8	234.8	262.1	245.8
75°	2329.3	428.7	191.1	226.6	207.5	207.5	191.1	221.2	215.7	232.1	215.7
77.5°	1736.7	325.0	147.5	188.4	188.4	204.8	183.0	204.8	196.6	199.3	191.1
80°	723.6	196.6	112.0	147.5	161.1	199.3	174.8	185.7	166.6	166.6	161.1
82.5°	300.4	125.6	76.5	92.8	109.2	177.5	166.6	158.4	136.5	125.6	117.4
85°	109.2	68.3	51.9	62.8	71.0	122.9	120.1	101.0	79.2	87.4	71.0
87.5°	8.2	10.9	10.9	13.7	13.7	16.4	27.3	27.3	16.4	13.7	8.2
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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CATALOG NUMBER: SDL-PA1-60-740-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)