

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: P560795

Luminaire Tested: **SDL-PA1-60-827-U-SL3-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560795
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-13)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-60-827-U-SL3-HSS-A
Description: Springdale
(1) 80 CRI, 2700K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS, HOUSE SIDE SHIELD AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4327.1 lumens
Efficiency: N/A
Efficacy: 69.3 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: B1 - U3 - 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

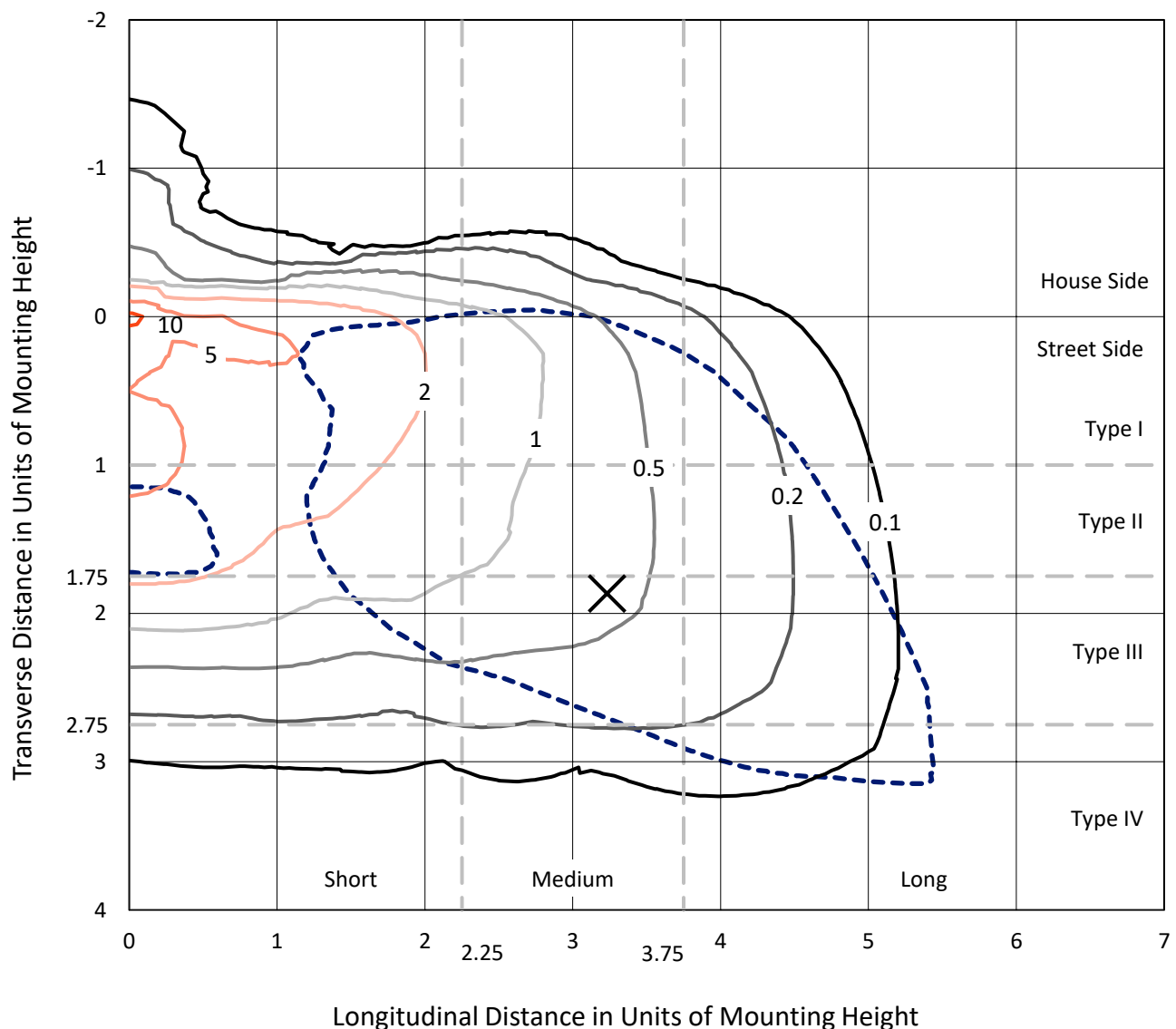


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

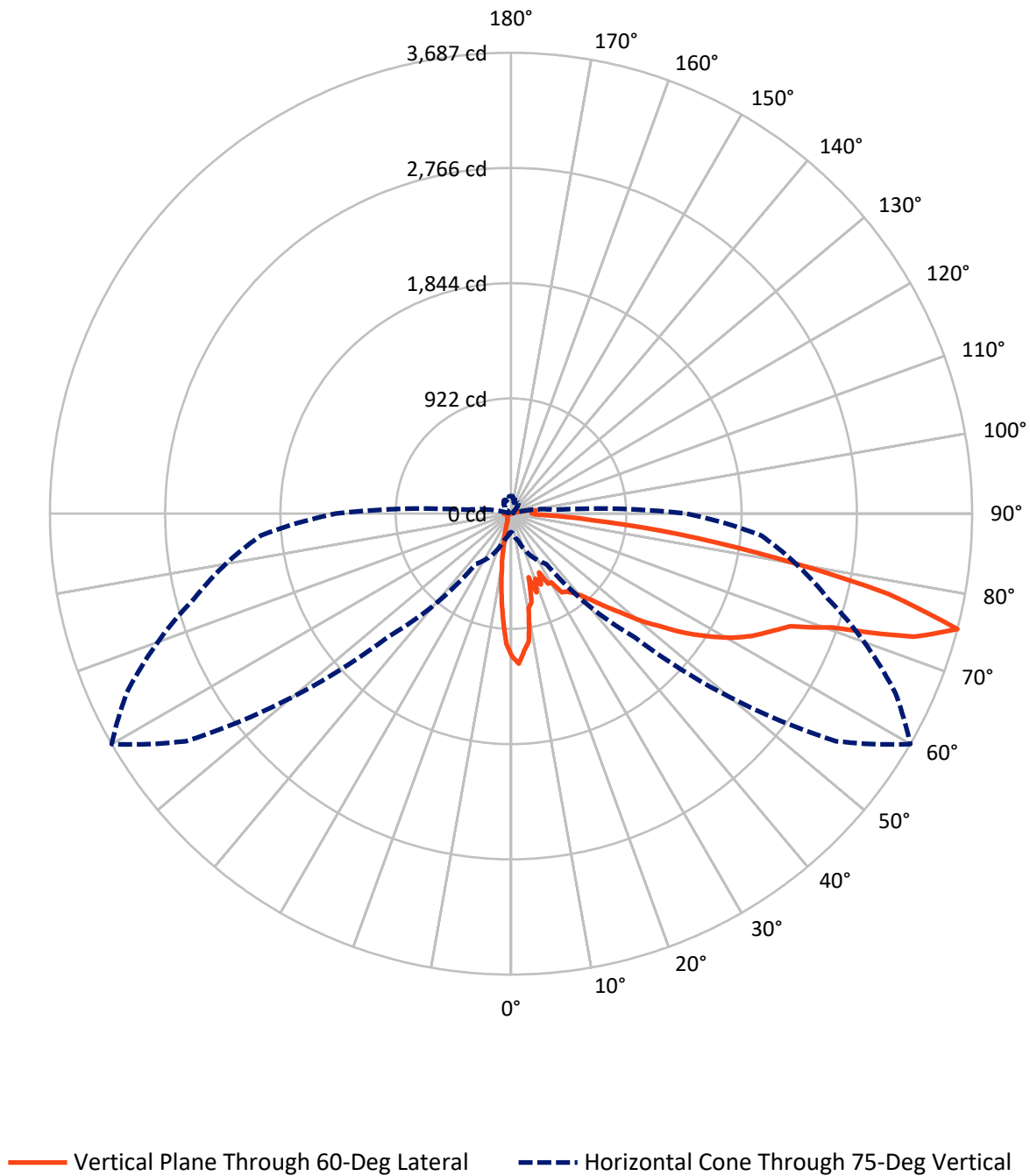


Based on 10 foot mounting height. Maximum calculated value = 11.4 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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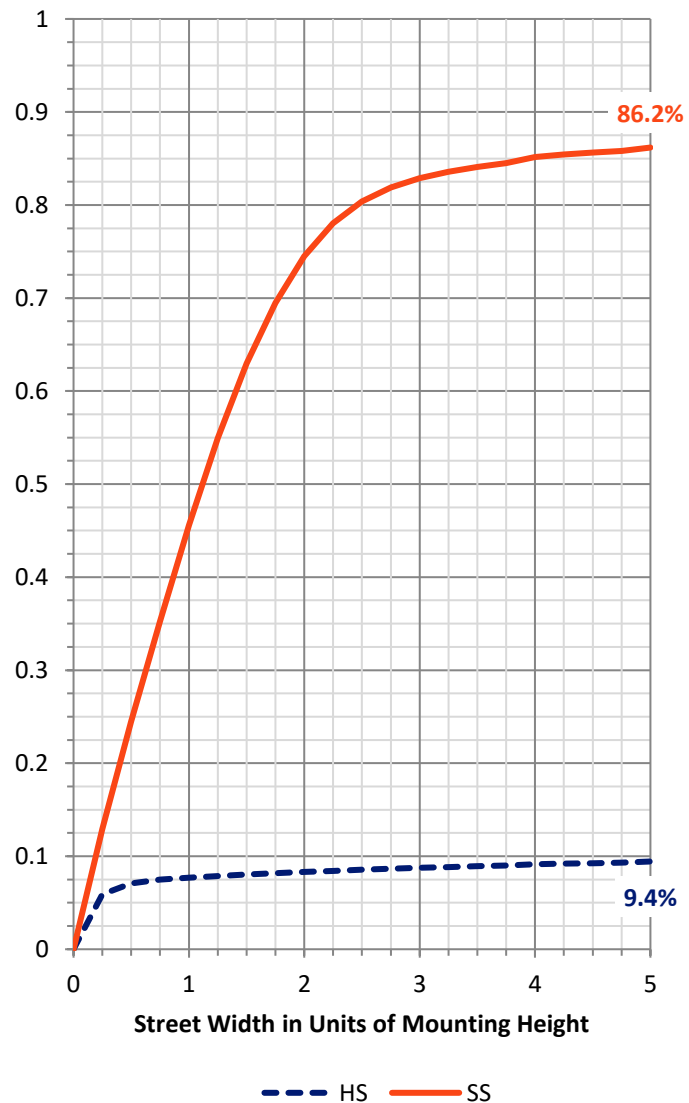
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	447.2	58.3	505.5
	% Fixture	10.3	1.3	11.7
Street Side	Lumens	3760.6	61.0	3821.6
	% Fixture	86.9	1.4	88.3
Total	Lumens	4207.8	119.3	4327.1
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.4	1.8
10°-20°	130.2	3.0
20°-30°	184.1	4.3
30°-40°	330.8	7.6
40°-50°	557.4	12.9
50°-60°	867.0	20.0
60°-70°	1023.1	23.6
70°-80°	829.9	19.2
80°-90°	206.1	4.8
90°-100°	83.2	1.9
100°-110°	19.3	0.4
110°-120°	6.0	0.1
120°-130°	5.4	0.1
130°-140°	2.8	0.1
140°-150°	1.4	0.0
150°-160°	1.2	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	4207.8	97.2
0°-180°	4327.1	100.0

Coefficient of Utilization



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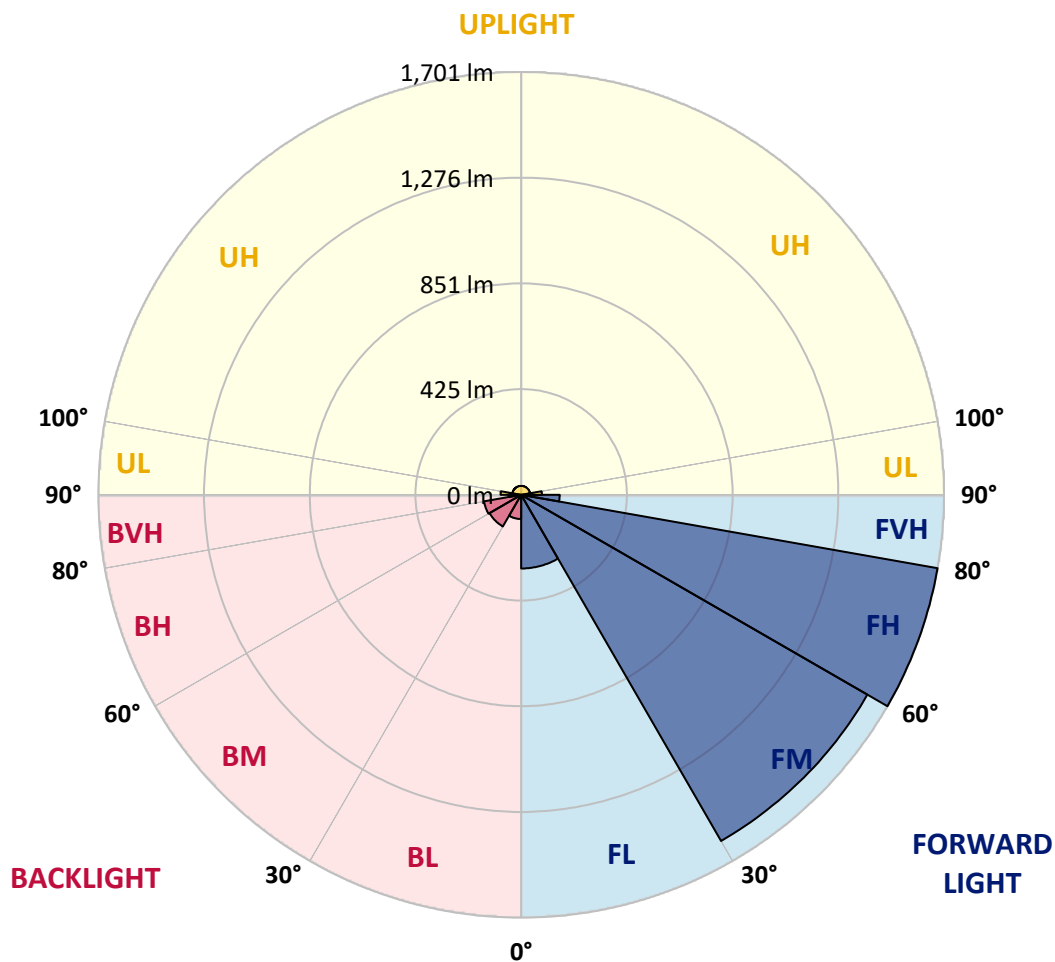
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	296.4	6.8			
FM	(30°-60°)	1608.2	37.2			
FH	(60°-80°)	1701.1	39.3			G1/1800
FVH	(80°-90°)	154.9	3.6			G2/225
BL	(0°-30°)	97.2	2.2	B0/110		
BM	(30°-60°)	147.0	3.4	B0/220		
BH	(60°-80°)	151.8	3.5	B1/500		G1/500
BVH	(80°-90°)	51.1	1.2			G1/100
UL	(90°-100°)	83.2	1.9		U3/500	
UH	(100°-180°)	36.1	0.8		U2/50	

BUG Rating: B1-U3-G2

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1143.8	1143.8	1143.8	1143.8	1143.8	1143.8	1143.8	1143.8	1143.8	1143.8	1143.8
2.5°	1075.8	1157.8	1133.8	1209.8	1219.8	1215.8	1211.8	1201.8	1191.8	1173.8	1145.8
5°	1031.8	1039.8	1033.8	1047.8	1049.8	1055.8	1045.8	1101.8	1195.8	1171.8	1127.8
7.5°	847.9	931.9	941.9	967.9	991.9	1015.8	1029.8	1027.8	907.9	1019.8	969.9
10°	865.9	877.9	875.9	893.9	873.9	839.9	765.9	767.9	767.9	791.9	817.9
12.5°	685.9	721.9	809.9	837.9	777.9	707.9	713.9	727.9	737.9	625.9	689.9
15°	777.9	779.9	781.9	781.9	585.9	669.9	583.9	527.9	603.9	739.9	751.9
17.5°	609.9	603.9	703.9	695.9	645.9	497.9	647.9	661.9	635.9	621.9	625.9
20°	715.9	715.9	709.9	565.9	595.9	641.9	555.9	553.9	585.9	727.9	735.9
22.5°	579.9	573.9	605.9	629.9	565.9	611.9	547.9	615.9	681.9	643.9	525.9
25°	725.9	725.9	701.9	545.9	585.9	525.9	607.9	521.9	579.9	787.9	749.9
27.5°	671.9	653.9	597.9	619.9	525.9	611.9	559.9	633.9	669.9	815.9	873.9
30°	867.9	861.9	797.9	623.9	597.9	561.9	601.9	637.9	771.9	1057.8	1009.8
32.5°	1157.8	1125.8	907.9	771.9	627.9	665.9	641.9	749.9	847.9	1081.8	1023.8
35°	1235.8	1211.8	1107.8	937.9	703.9	703.9	689.9	765.9	869.9	1133.8	1053.8
37.5°	1261.8	1259.8	1223.8	1025.8	807.9	809.9	729.9	803.9	913.9	1203.8	1097.8
40°	1277.8	1281.8	1317.8	1117.8	917.9	913.9	803.9	857.9	981.9	1279.8	1177.8
42.5°	1345.8	1367.8	1411.8	1219.8	1021.8	1023.8	893.9	943.9	1071.8	1405.8	1287.8
45°	1497.8	1503.8	1529.8	1359.8	1119.8	1133.8	1007.8	1059.8	1181.8	1543.8	1411.8
47.5°	1727.7	1727.7	1683.7	1469.8	1235.8	1255.8	1127.8	1181.8	1311.8	1745.7	1555.8
50°	1931.7	1915.7	1819.7	1599.8	1329.8	1373.8	1285.8	1347.8	1421.8	1899.7	1735.7
52.5°	2059.7	2053.7	1935.7	1687.7	1429.8	1503.8	1415.8	1495.8	1549.8	2059.7	1897.7
55°	2041.7	2041.7	1965.7	1733.7	1521.8	1621.8	1583.8	1683.7	1703.7	2211.7	2015.7
57.5°	1973.7	1983.7	1947.7	1751.7	1539.8	1733.7	1755.7	1849.7	1883.7	2299.7	2089.7
60°	1835.7	1855.7	1893.7	1775.7	1609.8	1859.7	1931.7	2015.7	2079.7	2365.6	2151.7
62.5°	1577.8	1603.8	1737.7	1773.7	1663.7	1989.7	2081.7	2155.7	2215.7	2401.6	2195.7
65°	1195.8	1243.8	1437.8	1645.8	1659.7	2141.7	2203.7	2275.7	2333.6	2437.6	2309.7
67.5°	763.9	765.9	975.9	1359.8	1547.8	2355.6	2367.6	2403.6	2441.6	2537.6	2471.6
70°	393.9	413.9	513.9	867.9	1267.8	2399.6	2777.6	2725.6	2667.6	2755.6	2681.6
72.5°	262.0	284.0	337.9	467.9	795.9	2163.7	3223.5	3367.5	3111.5	2917.6	2497.6
75°	148.0	160.0	226.0	369.9	491.9	1397.8	3173.5	3687.4	3391.5	2621.6	2007.7
77.5°	66.0	70.0	102.0	290.0	421.9	681.9	2497.6	3081.5	2963.6	2185.7	1447.8
80°	36.0	36.0	48.0	134.0	357.9	513.9	1657.8	2145.7	2015.7	1317.8	657.9
82.5°	20.0	22.0	28.0	64.0	218.0	469.9	1047.8	1345.8	1063.8	361.9	266.0
85°	8.0	8.0	12.0	34.0	80.0	397.9	573.9	639.9	429.9	184.0	206.0
87.5°	4.0	4.0	4.0	12.0	26.0	102.0	188.0	202.0	158.0	146.0	178.0
90°	6.0	6.0	4.0	4.0	18.0	108.0	158.0	166.0	130.0	146.0	180.0
92.5°	8.0	6.0	4.0	4.0	14.0	108.0	180.0	178.0	130.0	146.0	186.0
95°	10.0	8.0	4.0	4.0	14.0	96.0	216.0	194.0	140.0	148.0	196.0
97.5°	10.0	10.0	4.0	4.0	14.0	74.0	228.0	196.0	122.0	96.0	134.0
100°	12.0	12.0	4.0	4.0	16.0	44.0	158.0	146.0	86.0	32.0	38.0
102.5°	14.0	14.0	4.0	4.0	10.0	22.0	76.0	74.0	48.0	8.0	14.0
105°	14.0	16.0	4.0	4.0	4.0	10.0	28.0	34.0	24.0	8.0	14.0
107.5°	16.0	18.0	4.0	4.0	4.0	6.0	12.0	12.0	8.0	8.0	14.0
110°	16.0	16.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	8.0	14.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	12.0	12.0	2.0	4.0	4.0	4.0	2.0	4.0	4.0	6.0	12.0
115°	6.0	4.0	2.0	4.0	2.0	4.0	2.0	4.0	6.0	6.0	14.0
117.5°	2.0	2.0	2.0	2.0	2.0	4.0	2.0	4.0	4.0	10.0	18.0
120°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.0	4.0	14.0	22.0
122.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.0	4.0	14.0	26.0
125°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.0	4.0	10.0	24.0
127.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.0	4.0	10.0	20.0
130°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.0	4.0	8.0	18.0
132.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.0	8.0	14.0
135°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.0	10.0
137.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.0
140°	2.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
142.5°	2.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
145°	2.0	2.0	2.0	2.0	4.0	2.0	2.0	2.0	2.0	2.0	2.0
147.5°	2.0	2.0	2.0	4.0	4.0	2.0	2.0	2.0	2.0	2.0	2.0
150°	8.0	8.0	8.0	6.0	4.0	2.0	6.0	4.0	2.0	2.0	2.0
152.5°	6.0	6.0	10.0	4.0	2.0	2.0	2.0	6.0	6.0	2.0	2.0
155°	6.0	6.0	4.0	2.0	2.0	2.0	2.0	2.0	2.0	6.0	8.0
157.5°	2.0	2.0	2.0	0.0	2.0	2.0	2.0	2.0	2.0	4.0	2.0
160°	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
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°	1143.8	1143.8	1143.8	1143.8	1143.8	1143.8	1143.8	1143.8	1143.8	1143.8	1143.8
2.5°	1135.8	1123.8	1091.8	1061.8	1025.8	1003.8	927.9	841.9	823.9	819.9	805.9
5°	1107.8	1081.8	1019.8	887.9	755.9	695.9	667.9	645.9	615.9	609.9	601.9
7.5°	939.9	895.9	799.9	637.9	617.9	561.9	515.9	477.9	395.9	373.9	361.9
10°	781.9	743.9	545.9	463.9	421.9	379.9	330.0	292.0	258.0	242.0	236.0
12.5°	631.9	593.9	407.9	367.9	262.0	216.0	188.0	156.0	130.0	116.0	116.0
15°	699.9	637.9	421.9	262.0	172.0	128.0	94.0	84.0	98.0	100.0	100.0
17.5°	571.9	509.9	331.9	204.0	126.0	70.0	76.0	86.0	94.0	82.0	84.0
20°	657.9	571.9	333.9	154.0	80.0	68.0	70.0	64.0	86.0	88.0	88.0
22.5°	497.9	449.9	252.0	122.0	62.0	64.0	60.0	72.0	80.0	70.0	68.0
25°	643.9	529.9	256.0	78.0	62.0	52.0	62.0	56.0	74.0	76.0	76.0
27.5°	737.9	593.9	224.0	68.0	52.0	56.0	50.0	58.0	56.0	56.0	56.0
30°	837.9	647.9	218.0	66.0	50.0	46.0	48.0	46.0	54.0	56.0	56.0
32.5°	837.9	619.9	166.0	66.0	48.0	44.0	38.0	42.0	44.0	48.0	50.0
35°	843.9	595.9	122.0	60.0	44.0	38.0	34.0	34.0	38.0	40.0	40.0
37.5°	861.9	579.9	94.0	56.0	40.0	34.0	28.0	30.0	52.0	58.0	58.0
40°	911.9	579.9	80.0	52.0	36.0	30.0	24.0	38.0	44.0	52.0	52.0
42.5°	989.9	587.9	76.0	50.0	32.0	26.0	20.0	30.0	54.0	62.0	64.0
45°	1071.8	603.9	72.0	48.0	30.0	22.0	24.0	36.0	42.0	56.0	56.0
47.5°	1185.8	637.9	70.0	46.0	28.0	18.0	22.0	36.0	46.0	60.0	60.0
50°	1309.8	673.9	66.0	44.0	24.0	16.0	34.0	30.0	38.0	62.0	62.0
52.5°	1437.8	715.9	64.0	42.0	22.0	22.0	38.0	36.0	46.0	60.0	62.0
55°	1549.8	749.9	60.0	42.0	20.0	20.0	40.0	36.0	42.0	56.0	58.0
57.5°	1603.8	755.9	58.0	40.0	18.0	20.0	38.0	44.0	38.0	46.0	50.0
60°	1671.7	771.9	52.0	36.0	16.0	26.0	44.0	58.0	52.0	60.0	64.0
62.5°	1735.7	783.9	46.0	32.0	14.0	28.0	58.0	70.0	56.0	70.0	78.0
65°	1853.7	809.9	38.0	26.0	12.0	32.0	66.0	84.0	62.0	82.0	82.0
67.5°	2017.7	851.9	30.0	22.0	12.0	36.0	68.0	96.0	74.0	90.0	88.0
70°	2081.7	783.9	26.0	20.0	12.0	42.0	74.0	104.0	78.0	100.0	100.0
72.5°	1815.7	565.9	22.0	20.0	20.0	48.0	92.0	114.0	86.0	126.0	124.0
75°	1401.8	355.9	22.0	20.0	24.0	60.0	104.0	122.0	92.0	140.0	138.0
77.5°	933.9	168.0	22.0	22.0	28.0	66.0	112.0	130.0	102.0	156.0	154.0
80°	365.9	92.0	24.0	24.0	34.0	70.0	120.0	134.0	106.0	168.0	166.0
82.5°	176.0	64.0	24.0	24.0	46.0	78.0	128.0	140.0	110.0	170.0	168.0
85°	150.0	60.0	22.0	26.0	56.0	98.0	136.0	138.0	112.0	162.0	162.0
87.5°	134.0	58.0	22.0	26.0	76.0	114.0	142.0	136.0	120.0	158.0	158.0
90°	138.0	62.0	24.0	30.0	86.0	116.0	144.0	136.0	116.0	146.0	146.0
92.5°	148.0	66.0	26.0	32.0	86.0	108.0	134.0	122.0	108.0	124.0	122.0
95°	156.0	70.0	28.0	36.0	76.0	84.0	112.0	98.0	90.0	96.0	96.0
97.5°	120.0	54.0	32.0	40.0	58.0	50.0	70.0	64.0	48.0	40.0	40.0
100°	32.0	18.0	34.0	40.0	40.0	34.0	52.0	48.0	32.0	14.0	14.0
102.5°	12.0	12.0	32.0	38.0	32.0	26.0	38.0	36.0	26.0	4.0	4.0
105°	12.0	10.0	20.0	30.0	20.0	14.0	20.0	24.0	16.0	4.0	4.0
107.5°	12.0	10.0	12.0	18.0	8.0	6.0	8.0	8.0	8.0	2.0	4.0
110°	12.0	10.0	6.0	8.0	6.0	6.0	6.0	4.0	4.0	8.0	8.0

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CATALOG NUMBER: SDL-PA1-60-827-U-SL3-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	12.0	10.0	6.0	8.0	6.0	6.0	4.0	4.0	6.0	12.0	12.0
115°	12.0	10.0	6.0	6.0	4.0	6.0	4.0	2.0	6.0	14.0	16.0
117.5°	16.0	10.0	4.0	4.0	4.0	4.0	4.0	2.0	6.0	18.0	20.0
120°	20.0	12.0	4.0	4.0	4.0	2.0	4.0	2.0	8.0	18.0	20.0
122.5°	22.0	14.0	4.0	4.0	4.0	2.0	2.0	4.0	8.0	18.0	18.0
125°	22.0	14.0	4.0	4.0	2.0	2.0	2.0	2.0	8.0	18.0	20.0
127.5°	18.0	12.0	4.0	4.0	2.0	2.0	2.0	2.0	8.0	16.0	18.0
130°	16.0	12.0	4.0	4.0	2.0	2.0	2.0	2.0	8.0	14.0	16.0
132.5°	12.0	10.0	4.0	2.0	2.0	2.0	2.0	2.0	8.0	12.0	14.0
135°	10.0	6.0	4.0	2.0	2.0	2.0	2.0	2.0	6.0	12.0	12.0
137.5°	4.0	4.0	2.0	2.0	2.0	2.0	2.0	2.0	4.0	6.0	6.0
140°	4.0	4.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.0	4.0
142.5°	2.0	4.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	2.0	2.0
145°	2.0	4.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	2.0	2.0
147.5°	2.0	4.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	2.0	2.0
150°	2.0	4.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	2.0	4.0
152.5°	2.0	4.0	2.0	2.0	2.0	0.0	0.0	2.0	2.0	2.0	2.0
155°	8.0	6.0	4.0	2.0	2.0	0.0	0.0	0.0	2.0	2.0	2.0
157.5°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	2.0	2.0	2.0
160°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	2.0	2.0	2.0
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

(END OF REPORT)