

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: P560415

Luminaire Tested: **SDL-PA1-40-750-U-T4W-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560415
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-9)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-40-750-U-T4W-HSS-A
Description: Springdale
(1) 70 CRI, 5000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS, HOUSE SIDE SHEILD AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3363.2 lumens
Efficiency: N/A
Efficacy: 85.4 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): 39.4
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

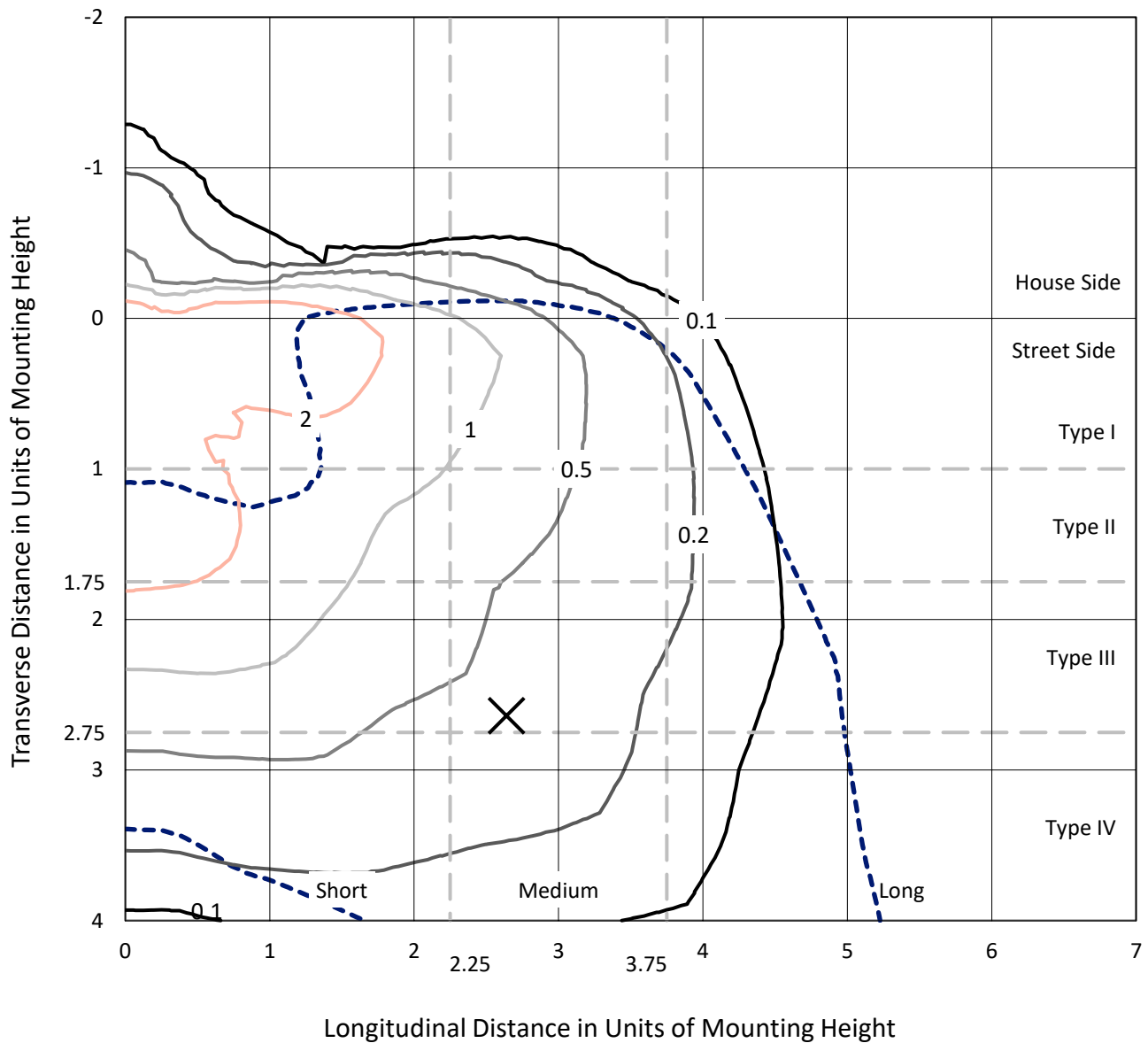


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd

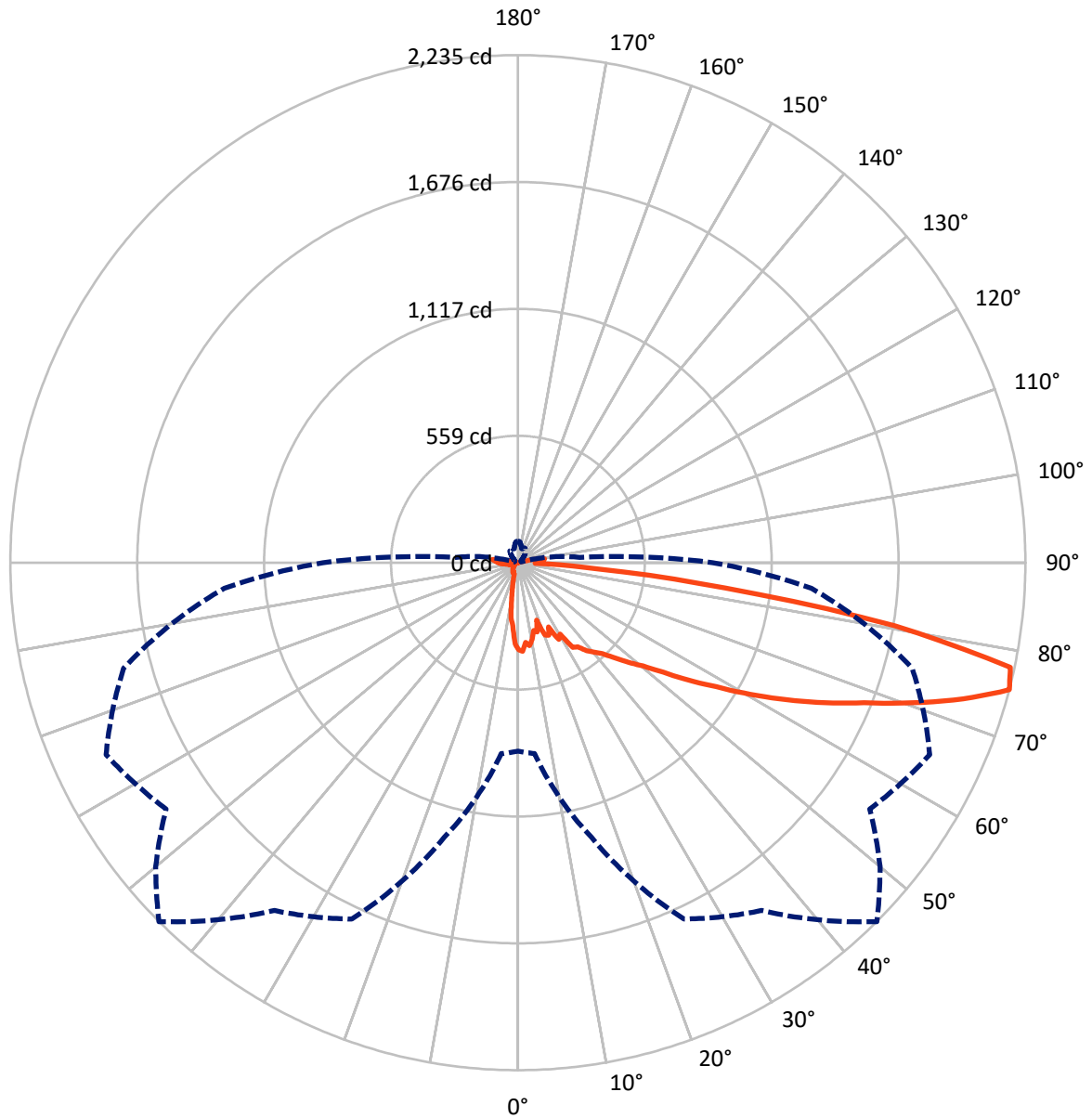


Based on 10 foot mounting height. Maximum calculated value = 4 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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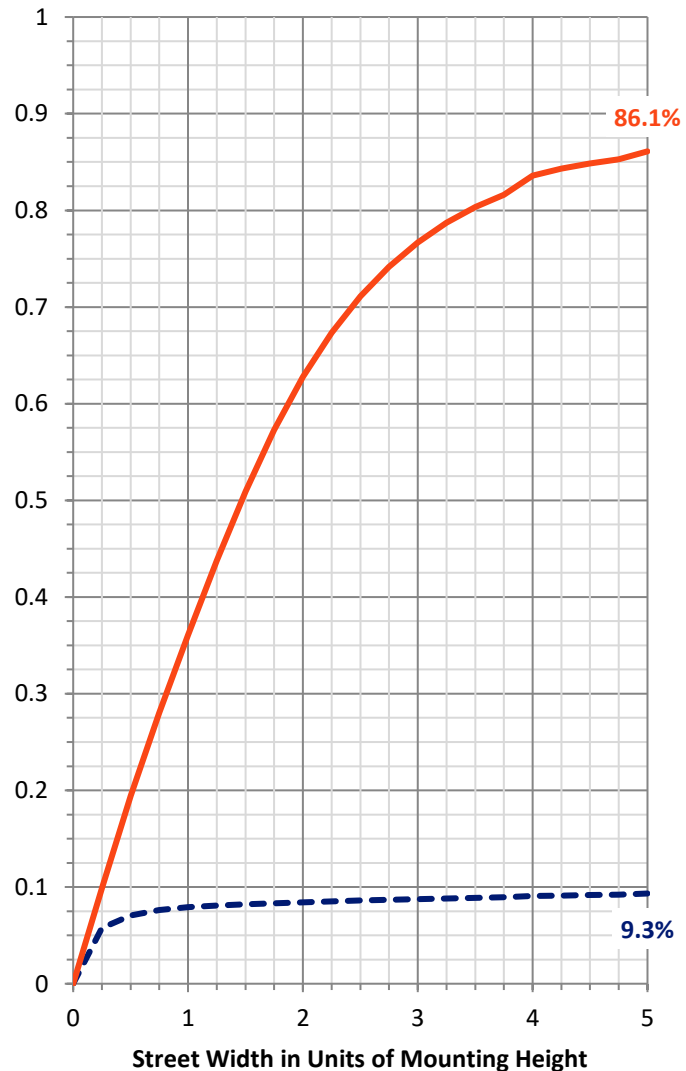
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	345.1	60.4	405.5
	% Fixture	10.3	1.8	12.1
Street Side	Lumens	2911.0	46.7	2957.7
	% Fixture	86.6	1.4	87.9
Total	Lumens	3256.1	107.1	3363.2
	% Fixture	96.8	3.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.7	0.9
10°-20°	64.4	1.9
20°-30°	108.0	3.2
30°-40°	200.2	6.0
40°-50°	337.4	10.0
50°-60°	605.5	18.0
60°-70°	909.2	27.0
70°-80°	831.8	24.7
80°-90°	170.1	5.1
90°-100°	81.4	2.4
100°-110°	17.4	0.5
110°-120°	3.3	0.1
120°-130°	2.6	0.1
130°-140°	1.2	0.0
140°-150°	0.6	0.0
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3256.1	96.8
0°-180°	3363.2	100.0

Coefficient of Utilization



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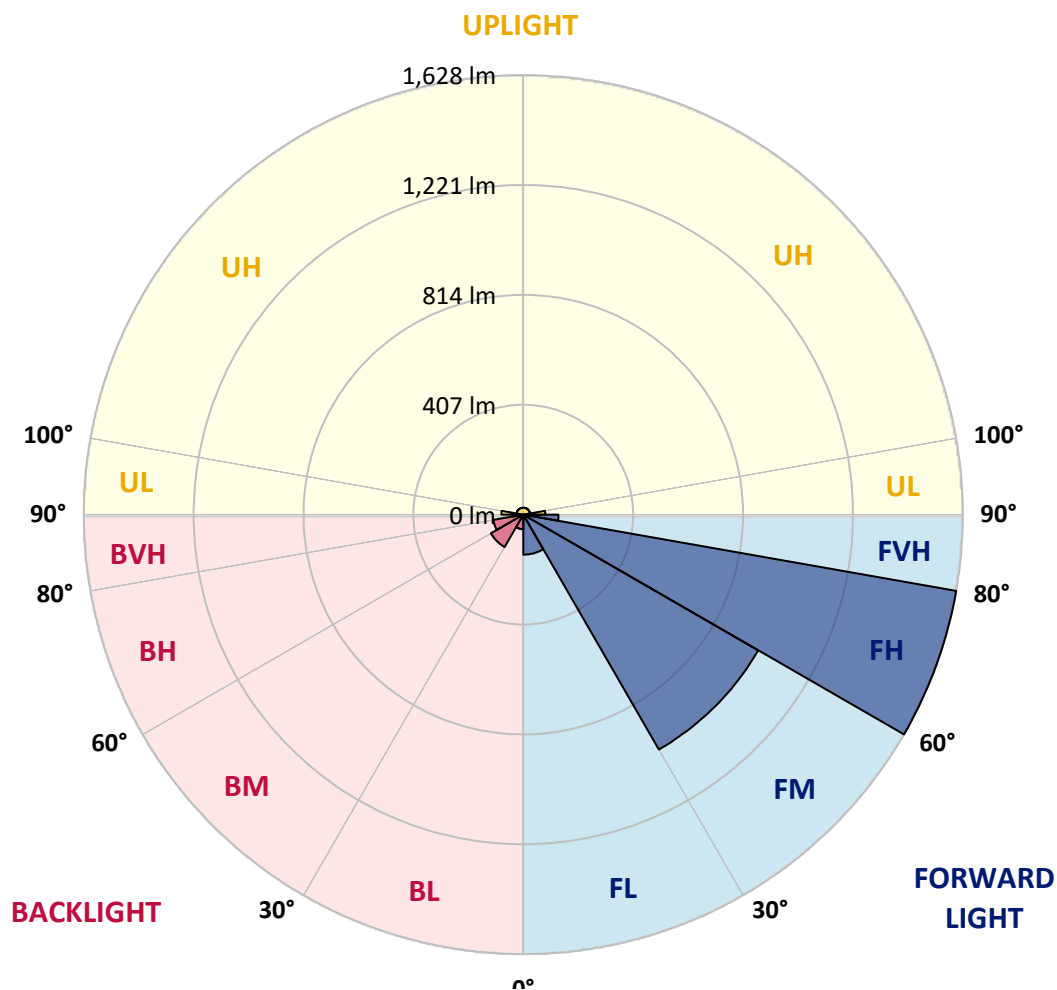
CATALOG NUMBER: SDL-PA1-40-750-U-T4W-HSS-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	148.2	4.4			
FM	(30°-60°)	1004.6	29.9			
FH	(60°-80°)	1627.9	48.4			G1/1800
FVH	(80°-90°)	130.4	3.9			G2/225
BL	(0°-30°)	53.9	1.6	B0/110		
BM	(30°-60°)	138.5	4.1	B0/220		
BH	(60°-80°)	113.1	3.4	B1/500		G1/500
BVH	(80°-90°)	39.7	1.2			G1/100
UL	(90°-100°)	81.4	2.4		U3/500	
UH	(100°-180°)	25.7	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°	50°	55°	65°	75°	85°
0°	383.2	383.2	383.2	383.2	383.2	383.2	383.2	383.2	383.2	383.2	383.2
2.5°	372.4	390.4	385.0	394.0	392.2	390.4	390.4	392.2	390.4	386.8	383.2
5°	379.6	374.2	370.6	368.8	361.6	352.6	349.0	345.4	383.2	383.2	376.0
7.5°	390.4	390.4	383.2	377.8	377.8	368.8	359.8	352.6	334.6	329.2	329.2
10°	415.6	412.0	406.6	395.8	341.8	343.6	323.8	284.3	266.3	273.5	284.3
12.5°	421.0	419.2	412.0	410.2	359.8	305.8	253.7	284.3	271.7	226.7	251.9
15°	451.6	448.0	433.6	408.4	307.6	316.6	295.0	253.7	242.9	277.1	296.8
17.5°	385.0	385.0	431.8	395.8	334.6	266.3	264.5	295.0	266.3	248.3	246.5
20°	473.2	473.2	453.4	323.8	343.6	340.0	273.5	309.4	260.9	295.0	314.8
22.5°	394.0	392.2	406.6	401.2	329.2	347.2	280.7	282.5	311.2	266.3	228.5
25°	480.4	480.4	469.6	349.0	374.2	313.0	320.2	338.2	277.1	336.4	340.0
27.5°	413.8	412.0	392.2	399.4	349.0	383.2	291.5	318.4	340.0	363.4	399.4
30°	505.5	509.1	500.1	379.6	388.6	365.2	347.2	368.8	412.0	484.0	507.3
32.5°	624.3	627.9	532.5	457.0	390.4	444.4	372.4	406.6	473.2	507.3	532.5
35°	694.4	667.5	626.1	510.9	421.0	455.2	428.2	433.6	492.9	546.9	564.9
37.5°	753.8	717.8	669.3	527.1	444.4	491.1	446.2	453.4	534.3	582.9	606.3
40°	773.6	752.0	725.0	563.1	473.2	518.1	467.8	484.0	573.9	629.7	665.7
42.5°	822.2	824.0	807.8	613.5	503.7	546.9	503.7	514.5	626.1	694.4	746.6
45°	951.7	955.3	937.3	699.8	541.5	597.3	561.3	566.7	685.4	793.4	860.0
47.5°	1117.2	1104.6	1086.6	815.0	599.1	654.9	627.9	622.5	755.6	922.9	982.3
50°	1284.5	1261.2	1223.4	973.3	698.0	714.2	696.2	692.6	840.2	1056.1	1120.8
52.5°	1459.1	1441.1	1361.9	1122.6	845.6	800.6	780.8	800.6	949.9	1203.6	1263.0
55°	1550.8	1532.8	1482.4	1282.7	987.7	912.1	877.9	913.9	1119.0	1342.1	1419.5
57.5°	1626.4	1621.0	1597.6	1450.1	1160.4	1030.9	996.7	1030.9	1254.0	1471.6	1563.4
60°	1734.3	1712.7	1734.3	1612.0	1327.7	1176.6	1129.8	1165.8	1419.5	1585.0	1721.7
62.5°	1811.7	1806.3	1849.5	1793.7	1468.0	1329.5	1261.2	1295.3	1565.2	1705.5	1878.2
65°	1728.9	1755.9	1928.6	1912.4	1626.4	1486.0	1414.1	1403.3	1683.9	1835.1	2045.5
67.5°	1581.4	1599.4	1851.2	1973.6	1764.9	1644.4	1558.0	1507.6	1793.7	1952.0	2178.7
70°	1441.1	1462.6	1692.9	1977.2	1831.5	1847.7	1727.1	1633.6	1903.4	2083.3	2207.5
72.5°	1329.5	1349.3	1556.2	1934.0	1854.8	2050.9	1912.4	1766.7	2009.6	2086.9	1928.6
75°	829.4	843.8	1252.2	1730.7	1869.2	2234.5	2081.5	1890.8	2000.6	1797.3	1297.1
77.5°	255.5	260.9	536.1	1142.4	1624.6	2216.5	2052.7	1777.5	1676.7	1140.6	591.9
80°	88.2	90.0	138.5	406.6	971.5	1682.1	1565.2	1307.9	1002.1	421.0	223.1
82.5°	41.4	45.0	64.8	136.7	395.8	919.3	924.7	777.2	421.0	187.1	151.1
85°	14.4	14.4	27.0	59.4	152.9	354.4	336.4	313.0	221.3	169.1	140.3
87.5°	5.4	5.4	9.0	16.2	37.8	75.6	95.4	116.9	116.9	118.7	142.1
90°	5.4	5.4	3.6	3.6	27.0	79.2	95.4	106.1	97.2	107.9	154.7
92.5°	5.4	5.4	3.6	3.6	28.8	91.8	106.1	115.1	102.5	115.1	170.9
95°	5.4	5.4	3.6	3.6	32.4	111.5	124.1	122.3	102.5	120.5	183.5
97.5°	7.2	7.2	3.6	1.8	28.8	118.7	133.1	129.5	88.2	91.8	143.9
100°	7.2	7.2	3.6	1.8	18.0	88.2	106.1	104.3	57.6	14.4	41.4
102.5°	7.2	7.2	3.6	1.8	3.6	41.4	50.4	52.2	34.2	5.4	7.2
105°	9.0	9.0	3.6	1.8	1.8	7.2	16.2	21.6	12.6	3.6	7.2
107.5°	9.0	9.0	3.6	1.8	1.8	3.6	3.6	5.4	5.4	3.6	9.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	7.2	7.2	1.8	3.6	1.8	1.8	1.8	1.8	1.8	3.6	9.0
115°	3.6	3.6	1.8	1.8	0.0	1.8	1.8	1.8	1.8	3.6	7.2
117.5°	1.8	1.8	0.0	1.8	0.0	1.8	1.8	1.8	3.6	3.6	9.0
120°	1.8	1.8	0.0	0.0	0.0	0.0	1.8	1.8	1.8	5.4	10.8
122.5°	1.8	1.8	0.0	0.0	0.0	0.0	1.8	1.8	1.8	5.4	10.8
125°	1.8	1.8	0.0	0.0	0.0	0.0	1.8	1.8	1.8	5.4	10.8
127.5°	1.8	1.8	0.0	0.0	0.0	0.0	1.8	1.8	1.8	5.4	9.0
130°	1.8	1.8	0.0	0.0	0.0	0.0	1.8	1.8	1.8	3.6	7.2
132.5°	1.8	1.8	0.0	0.0	0.0	0.0	1.8	1.8	1.8	3.6	5.4
135°	1.8	1.8	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8	3.6
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8	1.8
140°	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8	1.8
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8	1.8
145°	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8
147.5°	0.0	0.0	0.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
150°	5.4	5.4	3.6	1.8	0.0	0.0	1.8	1.8	1.8	1.8	1.8
152.5°	3.6	3.6	5.4	1.8	0.0	0.0	1.8	1.8	3.6	1.8	1.8
155°	3.6	3.6	1.8	0.0	0.0	0.0	0.0	1.8	1.8	3.6	3.6
157.5°	1.8	1.8	1.8	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8
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°	383.2	383.2	383.2	383.2	383.2	383.2	383.2	383.2	383.2	383.2	383.2
2.5°	379.6	377.8	372.4	368.8	363.4	358.0	331.0	314.8	313.0	311.2	313.0
5°	372.4	367.0	358.0	316.6	296.8	278.9	273.5	269.9	260.9	260.9	262.7
7.5°	322.0	318.4	289.7	277.1	260.9	244.7	230.3	219.5	192.5	183.5	179.9
10°	282.5	275.3	224.9	199.7	183.5	165.5	165.5	151.1	143.9	138.5	136.7
12.5°	244.7	239.3	197.9	181.7	136.7	118.7	109.7	100.7	95.4	91.8	90.0
15°	286.1	277.1	212.3	145.7	100.7	84.6	66.6	64.8	81.0	84.6	86.4
17.5°	228.5	233.9	188.9	127.7	82.8	52.2	57.6	68.4	77.4	77.4	75.6
20°	304.0	291.5	205.1	102.5	59.4	52.2	55.8	50.4	72.0	77.4	77.4
22.5°	221.3	210.5	169.1	95.4	46.8	50.4	46.8	59.4	66.6	59.4	61.2
25°	329.2	313.0	196.1	66.6	48.6	43.2	54.0	46.8	64.8	70.2	72.0
27.5°	408.4	354.4	192.5	63.0	43.2	48.6	45.0	54.0	52.2	55.8	55.8
30°	487.5	457.0	217.7	57.6	43.2	41.4	46.8	46.8	59.4	64.8	64.8
32.5°	521.7	485.8	190.7	55.8	43.2	41.4	41.4	50.4	55.8	66.6	66.6
35°	557.7	509.1	160.1	52.2	41.4	39.6	39.6	50.4	59.4	66.6	68.4
37.5°	606.3	534.3	129.5	50.4	39.6	37.8	34.2	45.0	63.0	70.2	72.0
40°	667.5	570.3	100.7	46.8	36.0	34.2	32.4	45.0	54.0	63.0	63.0
42.5°	762.8	609.9	79.2	45.0	34.2	30.6	30.6	37.8	52.2	59.4	59.4
45°	860.0	656.7	66.6	43.2	32.4	28.8	28.8	37.8	39.6	50.4	50.4
47.5°	967.9	703.4	61.2	41.4	32.4	25.2	25.2	34.2	34.2	46.8	48.6
50°	1079.4	743.0	57.6	39.6	28.8	23.4	28.8	23.4	28.8	45.0	48.6
52.5°	1176.6	775.4	54.0	36.0	27.0	21.6	27.0	23.4	28.8	41.4	41.4
55°	1275.5	793.4	52.2	34.2	25.2	18.0	27.0	25.2	27.0	37.8	37.8
57.5°	1363.7	798.8	50.4	34.2	21.6	16.2	25.2	30.6	23.4	30.6	34.2
60°	1442.9	793.4	45.0	30.6	16.2	16.2	27.0	36.0	32.4	36.0	36.0
62.5°	1516.6	773.6	36.0	25.2	12.6	16.2	34.2	39.6	30.6	37.8	41.4
65°	1579.6	746.6	27.0	19.8	9.0	18.0	36.0	45.0	36.0	43.2	46.8
67.5°	1608.4	710.6	21.6	16.2	9.0	19.8	37.8	50.4	41.4	48.6	52.2
70°	1559.8	636.9	18.0	16.2	7.2	23.4	39.6	54.0	46.8	61.2	63.0
72.5°	1295.3	500.1	16.2	16.2	12.6	28.8	50.4	61.2	57.6	82.8	81.0
75°	858.2	273.5	16.2	14.4	16.2	34.2	61.2	72.0	63.0	93.6	93.6
77.5°	395.8	120.5	14.4	16.2	18.0	37.8	70.2	86.4	72.0	106.1	104.3
80°	172.7	73.8	14.4	14.4	19.8	41.4	79.2	97.2	79.2	116.9	116.9
82.5°	129.5	66.6	12.6	14.4	27.0	46.8	91.8	107.9	88.2	125.9	124.1
85°	120.5	63.0	14.4	16.2	30.6	59.4	107.9	116.9	91.8	129.5	129.5
87.5°	122.3	61.2	14.4	16.2	41.4	75.6	122.3	125.9	100.7	136.7	136.7
90°	125.9	63.0	16.2	18.0	46.8	82.8	136.7	134.9	113.3	143.9	143.9
92.5°	134.9	63.0	18.0	19.8	50.4	91.8	149.3	138.5	122.3	149.3	145.7
95°	140.3	63.0	19.8	21.6	59.4	100.7	158.3	134.9	129.5	138.5	134.9
97.5°	104.3	46.8	23.4	25.2	61.2	113.3	145.7	115.1	84.6	82.8	84.6
100°	34.2	16.2	25.2	27.0	39.6	79.2	107.9	82.8	45.0	34.2	34.2
102.5°	9.0	9.0	23.4	25.2	21.6	34.2	63.0	54.0	30.6	1.8	3.6
105°	9.0	7.2	14.4	19.8	12.6	9.0	25.2	30.6	23.4	1.8	1.8
107.5°	9.0	7.2	7.2	10.8	3.6	3.6	7.2	7.2	7.2	1.8	1.8



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CATALOG NUMBER: SDL-PA1-40-750-U-T4W-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	10.8	7.2	3.6	3.6	3.6	1.8	1.8	1.8	1.8	5.4	7.2
115°	9.0	7.2	1.8	3.6	1.8	1.8	1.8	1.8	3.6	7.2	9.0
117.5°	9.0	7.2	1.8	1.8	1.8	1.8	1.8	1.8	3.6	9.0	10.8
120°	10.8	9.0	1.8	1.8	1.8	1.8	1.8	1.8	3.6	10.8	10.8
122.5°	10.8	9.0	1.8	1.8	1.8	1.8	0.0	1.8	5.4	10.8	10.8
125°	10.8	9.0	1.8	1.8	1.8	0.0	0.0	1.8	5.4	10.8	12.6
127.5°	9.0	7.2	1.8	1.8	1.8	0.0	0.0	1.8	3.6	9.0	10.8
130°	7.2	5.4	1.8	1.8	1.8	0.0	0.0	0.0	3.6	9.0	9.0
132.5°	5.4	3.6	1.8	1.8	1.8	0.0	0.0	0.0	3.6	7.2	7.2
135°	3.6	3.6	1.8	1.8	1.8	0.0	0.0	0.0	1.8	5.4	5.4
137.5°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	1.8	1.8	1.8
140°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0
145°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0
155°	3.6	3.6	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.8	1.8	1.8	1.8	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



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110° | 9.0 9.0 3.6 3.6 1.8 1.8 1.8 3.6 3.6 9.0



110°	9.0	7.2	3.6	3.6	3.6	3.6	3.6	1.8	1.8	3.6	3.6
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(END OF REPORT)