

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: P560363

Luminaire Tested: **SDL-PA1-40-730-U-T2U-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560363
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-5)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-40-730-U-T2U-HSS-A
Description: Springdale
(1) 70 CRI, 3000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS,
HOUSE SIDE SHIELD AND CLEARPANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3069.4 lumens
Efficiency: N/A
Efficacy: 77.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type II - Short
BUG Rating: B1 - U3 - G1

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



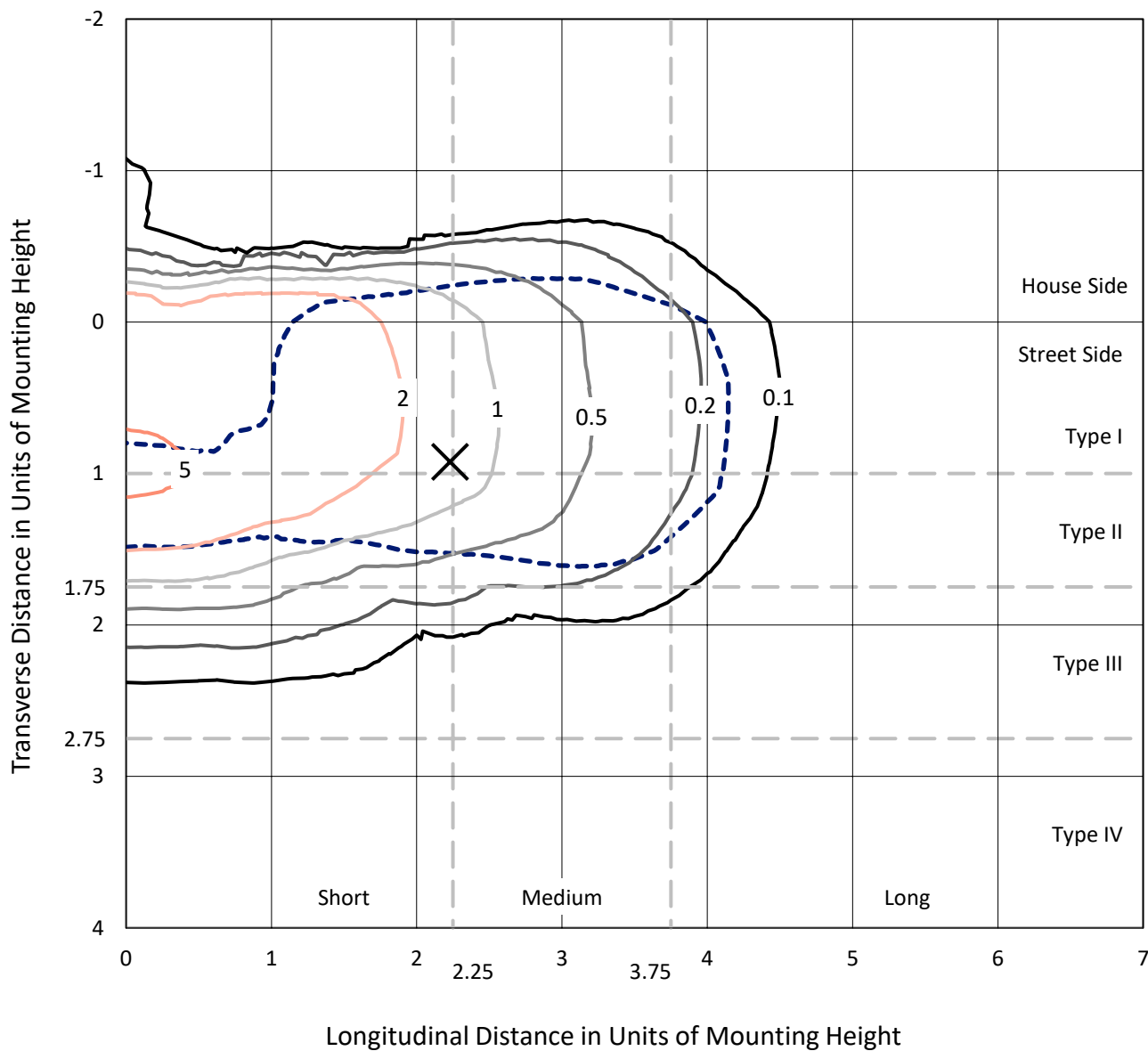
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



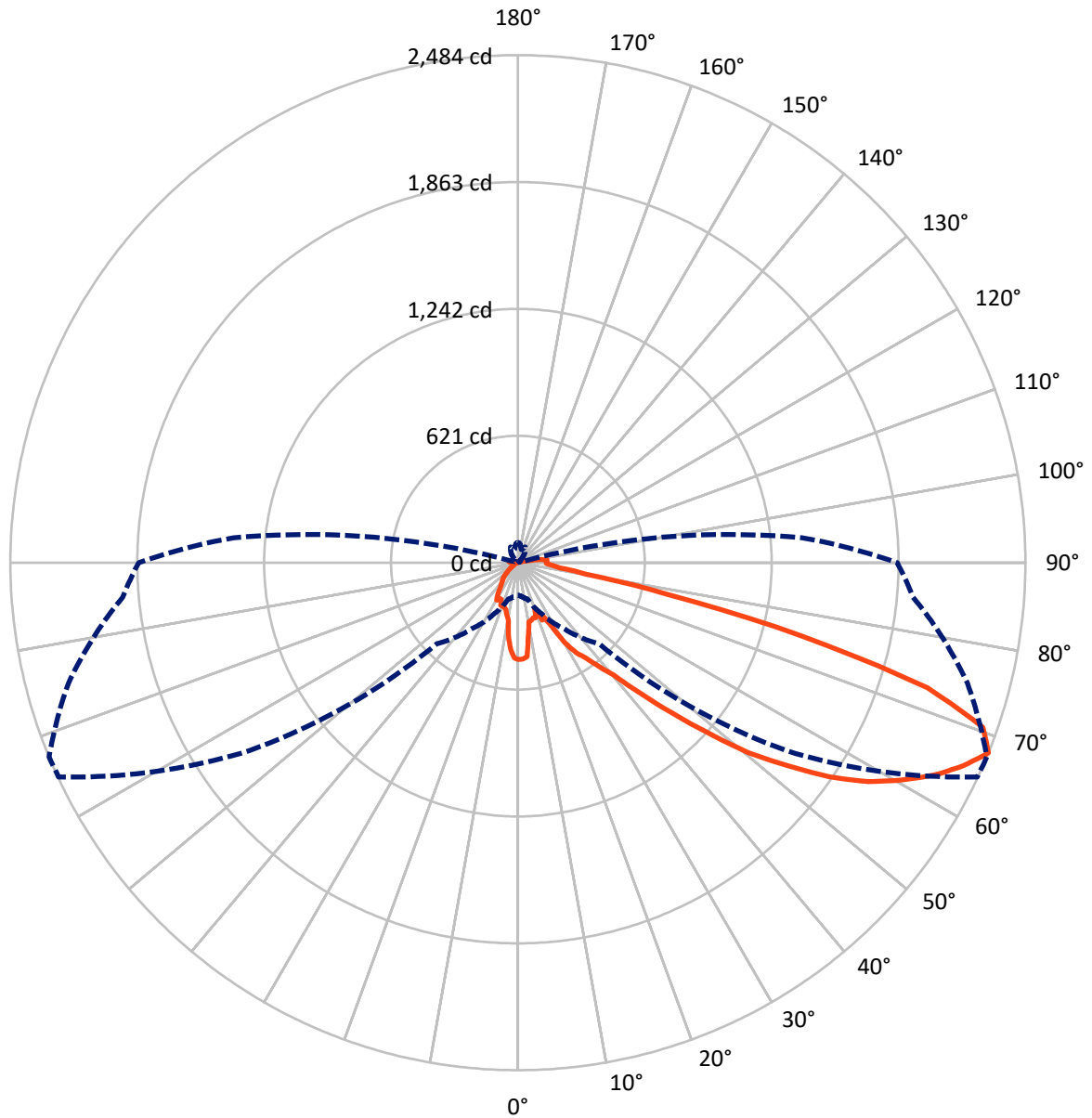
Based on 10 foot mounting height. Maximum calculated value = 6.2 fc

Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 67.5-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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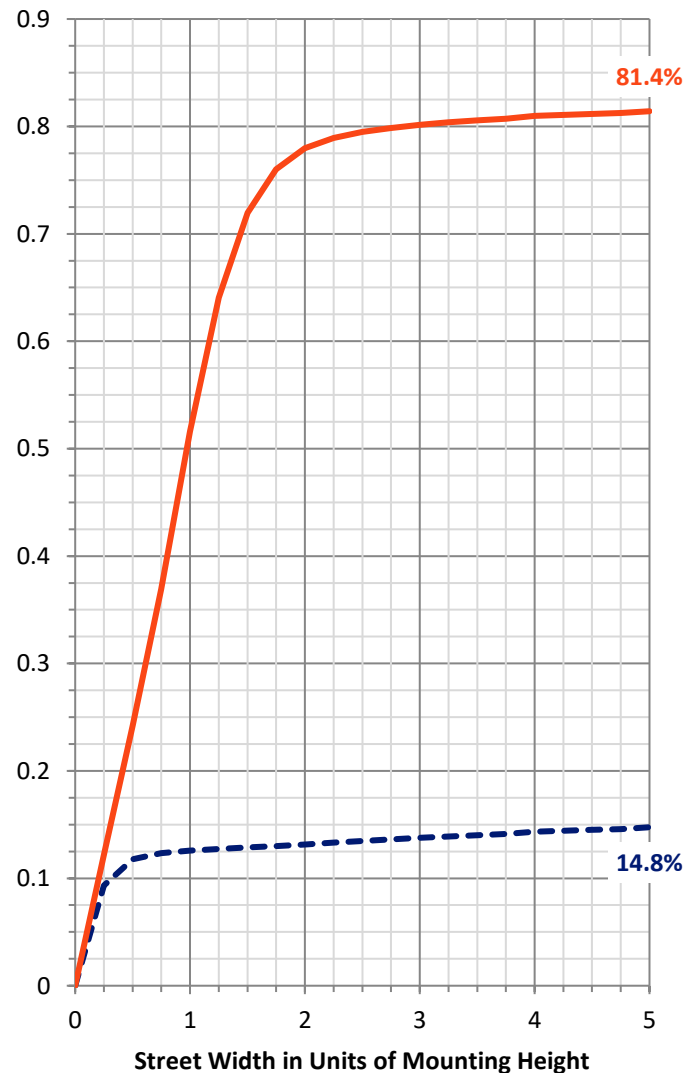
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	480.3	35.8	516.1
	% Fixture	15.6	1.2	16.8
Street Side	Lumens	2515.3	38.0	2553.3
	% Fixture	81.9	1.2	83.2
Total	Lumens	2995.6	73.8	3069.4
	% Fixture	97.6	2.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.4	1.2
10°-20°	69.4	2.3
20°-30°	104.7	3.4
30°-40°	241.1	7.9
40°-50°	537.4	17.5
50°-60°	799.7	26.1
60°-70°	713.2	23.2
70°-80°	400.3	13.0
80°-90°	93.5	3.0
90°-100°	51.3	1.7
100°-110°	11.8	0.4
110°-120°	4.6	0.2
120°-130°	3.1	0.1
130°-140°	1.6	0.1
140°-150°	0.7	0.0
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2995.6	97.6
0°-180°	3069.4	100.0

Coefficient of Utilization



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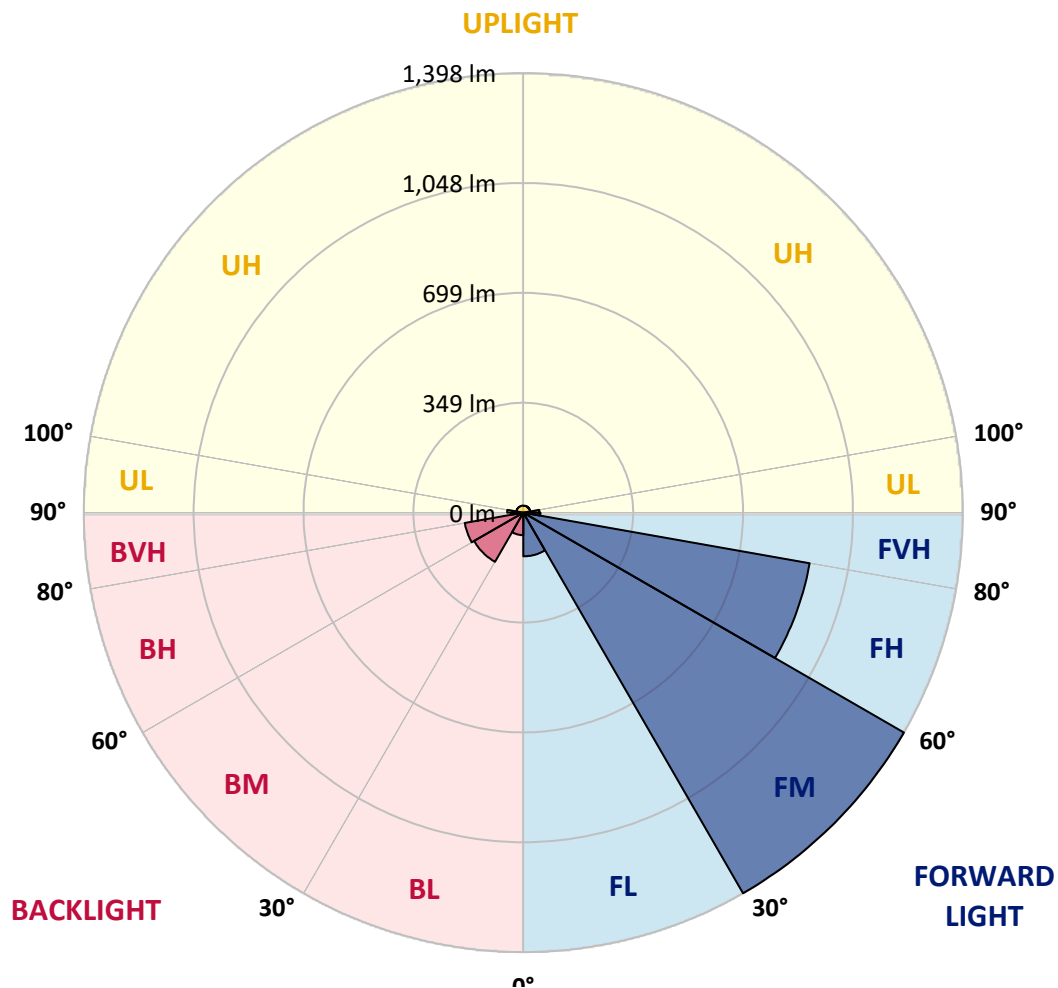
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	138.9	4.5			
FM	(30°-60°)	1397.6	45.5			
FH	(60°-80°)	924.5	30.1			G1/1800
FVH	(80°-90°)	54.2	1.8			G1/100
BL	(0°-30°)	71.6	2.3	B0/110		
BM	(30°-60°)	180.5	5.9	B0/220		
BH	(60°-80°)	189.0	6.2	B1/500		G1/500
BVH	(80°-90°)	39.2	1.3			G1/100
UL	(90°-100°)	51.3	1.7		U3/500	
UH	(100°-180°)	22.5	0.7		U2/50	

BUG Rating: B1-U3-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67.5°	75°	85°
0°	473.5	473.5	473.5	473.5	473.5	473.5	473.5	473.5	473.5	473.5	473.5
2.5°	401.4	424.3	448.9	465.3	468.6	473.5	473.5	471.8	471.8	470.2	470.2
5°	389.9	388.3	389.9	393.2	391.6	391.6	391.6	457.1	462.0	465.3	465.3
7.5°	335.9	344.1	370.3	380.1	383.4	386.7	386.7	381.7	363.7	403.0	408.0
10°	365.4	363.7	363.7	367.0	342.4	332.6	299.8	294.9	294.9	308.0	350.6
12.5°	306.4	324.4	349.0	358.8	330.9	293.3	285.1	291.6	290.0	253.9	296.5
15°	347.3	347.3	344.1	337.5	260.5	291.6	245.8	245.8	280.2	301.5	339.1
17.5°	281.8	290.0	330.9	326.0	286.7	219.5	286.7	263.8	283.4	265.4	285.1
20°	345.7	344.1	345.7	263.8	291.6	301.5	286.7	257.2	234.3	308.0	340.8
22.5°	285.1	281.8	298.2	326.0	275.2	312.9	262.1	312.9	304.7	273.6	245.8
25°	368.6	367.0	370.3	288.4	322.8	280.2	322.8	280.2	293.3	350.6	358.8
27.5°	332.6	330.9	326.0	352.2	306.4	353.9	304.7	342.4	352.2	380.1	440.7
30°	468.6	462.0	445.6	353.9	360.4	340.8	360.4	421.1	453.8	509.5	527.6
32.5°	683.2	648.8	540.7	468.6	381.7	435.8	408.0	494.8	525.9	553.8	568.5
35°	883.1	868.3	789.7	619.3	465.3	481.7	460.4	553.8	571.8	630.8	627.5
37.5°	1156.7	1132.1	1010.9	799.5	584.9	578.3	524.3	630.8	643.9	729.1	712.7
40°	1361.5	1341.8	1246.8	992.8	743.8	686.5	612.7	737.3	722.5	837.2	814.3
42.5°	1558.1	1546.6	1472.9	1214.0	919.1	853.6	704.5	868.3	865.1	965.0	945.3
45°	1717.0	1703.9	1656.4	1412.3	1120.6	1122.3	848.7	1012.5	1035.4	1130.5	1079.7
47.5°	1810.4	1782.5	1748.1	1569.5	1323.8	1379.5	1061.7	1176.3	1232.0	1314.0	1237.0
50°	1789.1	1761.2	1764.5	1669.5	1510.6	1600.7	1289.4	1350.0	1461.4	1525.3	1372.9
52.5°	1618.7	1602.3	1656.4	1651.5	1605.6	1803.8	1554.8	1538.4	1648.2	1690.8	1512.2
55°	1376.2	1353.3	1454.9	1526.9	1605.6	1930.0	1800.6	1748.1	1848.1	1841.5	1607.2
57.5°	1045.3	1053.5	1168.1	1281.2	1474.5	1954.6	1982.4	1975.9	2021.7	1966.0	1682.6
60°	714.3	719.2	881.4	1009.2	1209.1	1825.1	2041.4	2164.3	2159.4	2070.9	1767.8
62.5°	448.9	447.3	570.1	771.7	870.0	1486.0	2018.5	2306.8	2288.8	2149.5	1833.3
65°	258.9	265.4	309.6	511.2	604.6	1014.1	1885.8	2446.1	2395.3	2220.0	1903.8
67.5°	158.9	163.8	185.1	276.9	394.8	560.3	1604.0	2480.5	2483.8	2277.3	1941.5
70°	134.3	136.0	145.8	170.4	275.2	314.6	1079.7	2319.9	2414.9	2290.4	1930.0
72.5°	113.0	114.7	129.4	149.1	204.8	222.8	485.0	1916.9	2097.1	2190.5	1846.4
75°	83.6	85.2	106.5	136.0	149.1	178.6	265.4	1269.7	1440.1	1731.7	1574.5
77.5°	54.1	55.7	75.4	109.8	126.2	140.9	214.6	593.1	750.4	1001.0	994.5
80°	36.0	36.0	44.2	77.0	99.9	114.7	186.8	293.3	334.2	412.9	386.7
82.5°	22.9	22.9	27.9	47.5	63.9	114.7	175.3	209.7	203.2	206.4	183.5
85°	9.8	9.8	14.7	26.2	34.4	75.4	157.3	180.2	172.0	172.0	163.8
87.5°	3.3	3.3	4.9	8.2	11.5	22.9	121.2	144.2	139.3	144.2	155.6
90°	3.3	3.3	1.6	3.3	3.3	16.4	98.3	142.5	139.3	145.8	160.6
92.5°	4.9	4.9	1.6	1.6	3.3	13.1	77.0	147.5	142.5	152.4	167.1
95°	8.2	8.2	3.3	1.6	4.9	11.5	47.5	131.1	142.5	150.7	170.4
97.5°	9.8	9.8	3.3	3.3	4.9	9.8	24.6	106.5	109.8	114.7	134.3
100°	13.1	13.1	3.3	3.3	3.3	8.2	13.1	55.7	57.3	41.0	65.5
102.5°	13.1	13.1	3.3	3.3	3.3	4.9	6.6	24.6	22.9	8.2	8.2
105°	14.7	14.7	4.9	3.3	3.3	3.3	3.3	8.2	8.2	4.9	9.8
107.5°	14.7	14.7	4.9	4.9	3.3	3.3	1.6	3.3	4.9	4.9	9.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	67.5°	75°	85°
112.5°	8.2	8.2	3.3	4.9	3.3	1.6	1.6	1.6	3.3	6.6	16.4
115°	3.3	3.3	1.6	3.3	1.6	1.6	1.6	3.3	3.3	4.9	13.1
117.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.3	1.6	4.9	11.5
120°	1.6	1.6	0.0	1.6	1.6	1.6	1.6	1.6	1.6	6.6	11.5
122.5°	1.6	1.6	1.6	1.6	1.6	0.0	1.6	1.6	1.6	6.6	11.5
125°	1.6	1.6	1.6	1.6	1.6	0.0	1.6	1.6	1.6	4.9	9.8
127.5°	1.6	1.6	1.6	1.6	1.6	0.0	1.6	1.6	1.6	3.3	9.8
130°	1.6	1.6	1.6	1.6	1.6	0.0	1.6	1.6	1.6	3.3	6.6
132.5°	1.6	1.6	1.6	1.6	1.6	0.0	1.6	1.6	1.6	3.3	4.9
135°	1.6	1.6	1.6	1.6	1.6	0.0	1.6	1.6	1.6	1.6	3.3
137.5°	1.6	1.6	1.6	1.6	1.6	0.0	1.6	1.6	1.6	1.6	1.6
140°	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
142.5°	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
145°	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
147.5°	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
150°	1.6	1.6	3.3	3.3	1.6	0.0	3.3	1.6	1.6	1.6	1.6
152.5°	3.3	3.3	3.3	3.3	1.6	0.0	1.6	3.3	1.6	1.6	1.6
155°	3.3	3.3	1.6	1.6	1.6	0.0	1.6	1.6	1.6	3.3	4.9
157.5°	0.0	0.0	0.0	0.0	1.6	0.0	1.6	1.6	0.0	0.0	1.6
160°	0.0	0.0	0.0	0.0	1.6	0.0	1.6	1.6	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°	473.5	473.5	473.5	473.5	473.5	473.5	473.5	473.5	473.5	473.5	473.5
2.5°	468.6	468.6	466.9	466.9	462.0	460.4	439.1	416.1	398.1	399.8	399.8
5°	463.7	460.4	455.5	422.7	381.7	375.2	375.2	371.9	370.3	371.9	371.9
7.5°	404.7	401.4	381.7	365.4	367.0	363.7	357.2	355.5	327.7	299.8	298.2
10°	349.0	344.1	291.6	280.2	278.5	290.0	317.8	308.0	298.2	286.7	291.6
12.5°	291.6	290.0	242.5	268.7	234.3	240.8	247.4	237.6	203.2	163.8	168.8
15°	337.5	332.6	275.2	222.8	199.9	201.5	132.7	127.8	103.2	93.4	88.5
17.5°	250.7	275.2	240.8	222.8	201.5	104.9	85.2	65.5	59.0	47.5	49.2
20°	335.9	329.3	275.2	208.1	155.6	88.5	47.5	37.7	45.9	47.5	47.5
22.5°	237.6	231.0	232.6	221.2	109.8	50.8	36.0	37.7	34.4	32.8	32.8
25°	349.0	337.5	281.8	168.8	81.9	32.8	34.4	26.2	31.1	31.1	31.1
27.5°	424.3	385.0	296.5	163.8	45.9	32.8	24.6	26.2	21.3	21.3	21.3
30°	507.9	485.0	388.3	152.4	36.0	26.2	22.9	18.0	19.7	19.7	19.7
32.5°	545.6	514.4	388.3	121.2	31.1	24.6	18.0	16.4	16.4	18.0	18.0
35°	599.6	566.9	386.7	80.3	26.2	19.7	14.7	14.7	14.7	14.7	14.7
37.5°	681.6	634.0	393.2	50.8	21.3	16.4	11.5	13.1	13.1	27.9	27.9
40°	773.3	719.2	375.2	36.0	18.0	13.1	9.8	16.4	22.9	24.6	24.6
42.5°	889.6	830.6	349.0	31.1	16.4	9.8	8.2	13.1	19.7	31.1	31.1
45°	1028.9	940.4	312.9	27.9	13.1	8.2	8.2	16.4	24.6	29.5	29.5
47.5°	1153.4	1046.9	250.7	26.2	11.5	6.6	11.5	18.0	21.3	34.4	34.4
50°	1299.2	1158.3	191.7	22.9	9.8	6.6	18.0	19.7	24.6	31.1	31.1
52.5°	1407.3	1251.7	145.8	21.3	9.8	4.9	18.0	18.0	27.9	36.0	36.0
55°	1494.2	1302.5	104.9	18.0	8.2	4.9	21.3	22.9	24.6	27.9	27.9
57.5°	1561.4	1338.5	81.9	16.4	8.2	11.5	26.2	29.5	26.2	27.9	27.9
60°	1638.4	1356.6	60.6	14.7	6.6	11.5	31.1	39.3	29.5	42.6	41.0
62.5°	1708.8	1369.7	49.2	14.7	6.6	13.1	34.4	49.2	39.3	57.3	59.0
65°	1797.3	1386.1	41.0	11.5	6.6	18.0	41.0	65.5	52.4	75.4	78.6
67.5°	1856.3	1395.9	34.4	11.5	6.6	21.3	57.3	85.2	65.5	95.0	98.3
70°	1862.8	1359.8	27.9	11.5	6.6	32.8	78.6	103.2	81.9	121.2	122.9
72.5°	1777.6	1256.6	22.9	13.1	6.6	36.0	91.7	119.6	96.7	160.6	162.2
75°	1436.8	881.4	21.3	13.1	6.6	45.9	99.9	131.1	108.1	167.1	170.4
77.5°	883.1	408.0	19.7	14.7	9.8	50.8	101.6	139.3	113.0	167.1	172.0
80°	342.4	201.5	18.0	16.4	22.9	57.3	109.8	140.9	113.0	155.6	162.2
82.5°	158.9	118.0	18.0	18.0	29.5	59.0	108.1	131.1	104.9	139.3	137.6
85°	142.5	116.3	19.7	19.7	31.1	50.8	85.2	111.4	90.1	109.8	109.8
87.5°	139.3	114.7	21.3	24.6	31.1	29.5	65.5	95.0	77.0	81.9	81.9
90°	142.5	119.6	22.9	27.9	26.2	16.4	52.4	78.6	59.0	52.4	50.8
92.5°	152.4	121.2	27.9	32.8	24.6	13.1	44.2	63.9	42.6	34.4	32.8
95°	160.6	124.5	34.4	39.3	26.2	11.5	39.3	50.8	31.1	21.3	19.7
97.5°	134.3	96.7	39.3	42.6	26.2	11.5	34.4	41.0	24.6	11.5	11.5
100°	57.3	42.6	41.0	45.9	24.6	9.8	29.5	32.8	16.4	4.9	6.6
102.5°	11.5	13.1	36.0	42.6	19.7	6.6	19.7	19.7	11.5	1.6	3.3
105°	11.5	9.8	22.9	36.0	11.5	3.3	8.2	11.5	4.9	1.6	1.6
107.5°	11.5	11.5	8.2	18.0	4.9	3.3	3.3	4.9	3.3	1.6	1.6



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CATALOG NUMBER: SDL-PA1-40-730-U-T2U-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	16.4	14.7	3.3	4.9	4.9	3.3	1.6	1.6	3.3	11.5	13.1
115°	14.7	13.1	4.9	4.9	3.3	3.3	1.6	1.6	3.3	13.1	14.7
117.5°	11.5	11.5	4.9	3.3	3.3	3.3	1.6	1.6	3.3	13.1	13.1
120°	13.1	11.5	4.9	3.3	1.6	1.6	1.6	1.6	3.3	9.8	9.8
122.5°	13.1	11.5	4.9	3.3	1.6	1.6	1.6	1.6	3.3	9.8	11.5
125°	11.5	9.8	4.9	3.3	1.6	1.6	1.6	1.6	4.9	9.8	9.8
127.5°	9.8	8.2	3.3	1.6	1.6	1.6	1.6	1.6	4.9	8.2	8.2
130°	6.6	6.6	3.3	1.6	1.6	1.6	1.6	1.6	4.9	6.6	6.6
132.5°	4.9	4.9	3.3	1.6	1.6	1.6	1.6	1.6	3.3	6.6	6.6
135°	4.9	3.3	3.3	1.6	1.6	1.6	1.6	1.6	3.3	4.9	4.9
137.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.3	3.3
140°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	1.6	1.6
142.5°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	1.6	1.6
145°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	1.6	1.6
147.5°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	1.6	1.6
150°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	1.6	1.6
152.5°	1.6	1.6	3.3	1.6	1.6	0.0	0.0	0.0	0.0	1.6	1.6
155°	4.9	4.9	4.9	1.6	1.6	0.0	0.0	0.0	0.0	1.6	1.6
157.5°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	1.6	1.6	1.6	1.6	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° | 11.5 11.5 4.9 4.9 3.3 1.6 1.6 1.6 3.3 4.9 11.5



110°	13.1	11.5	3.3	4.9	3.3	3.3	3.3	3.3	1.6	8.2	9.8
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(END OF REPORT)