

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: P560371

Luminaire Tested: **SDL-PA1-40-730-U-T4W-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560371
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-PA1-40-730-U-T4W-HSS-A
Description: Springdale
(1) 70 CRI, 3000K, 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: 3062.8 lumens
Efficiency: N/A
Efficacy: 77.7 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: B0 - 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

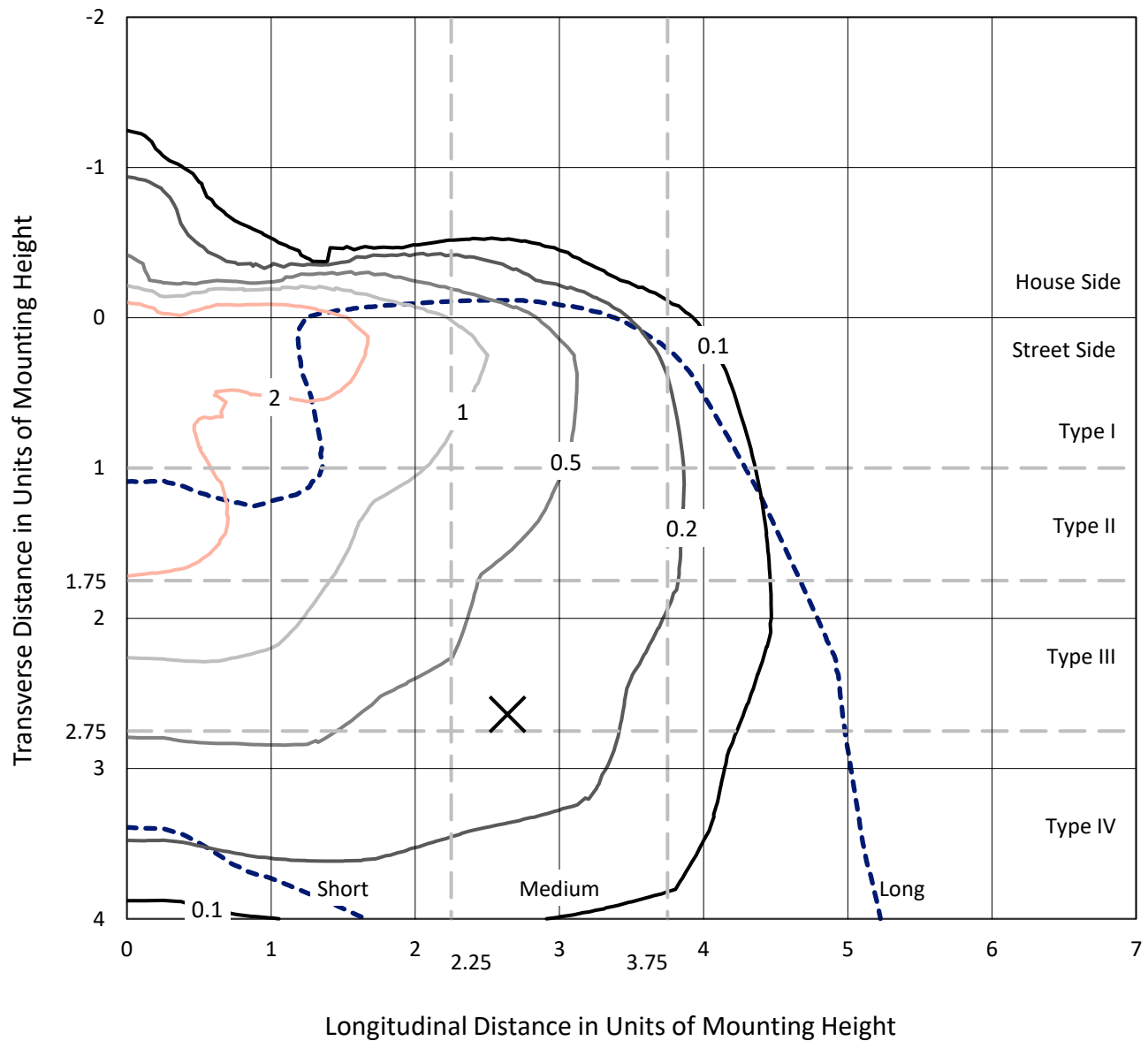


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

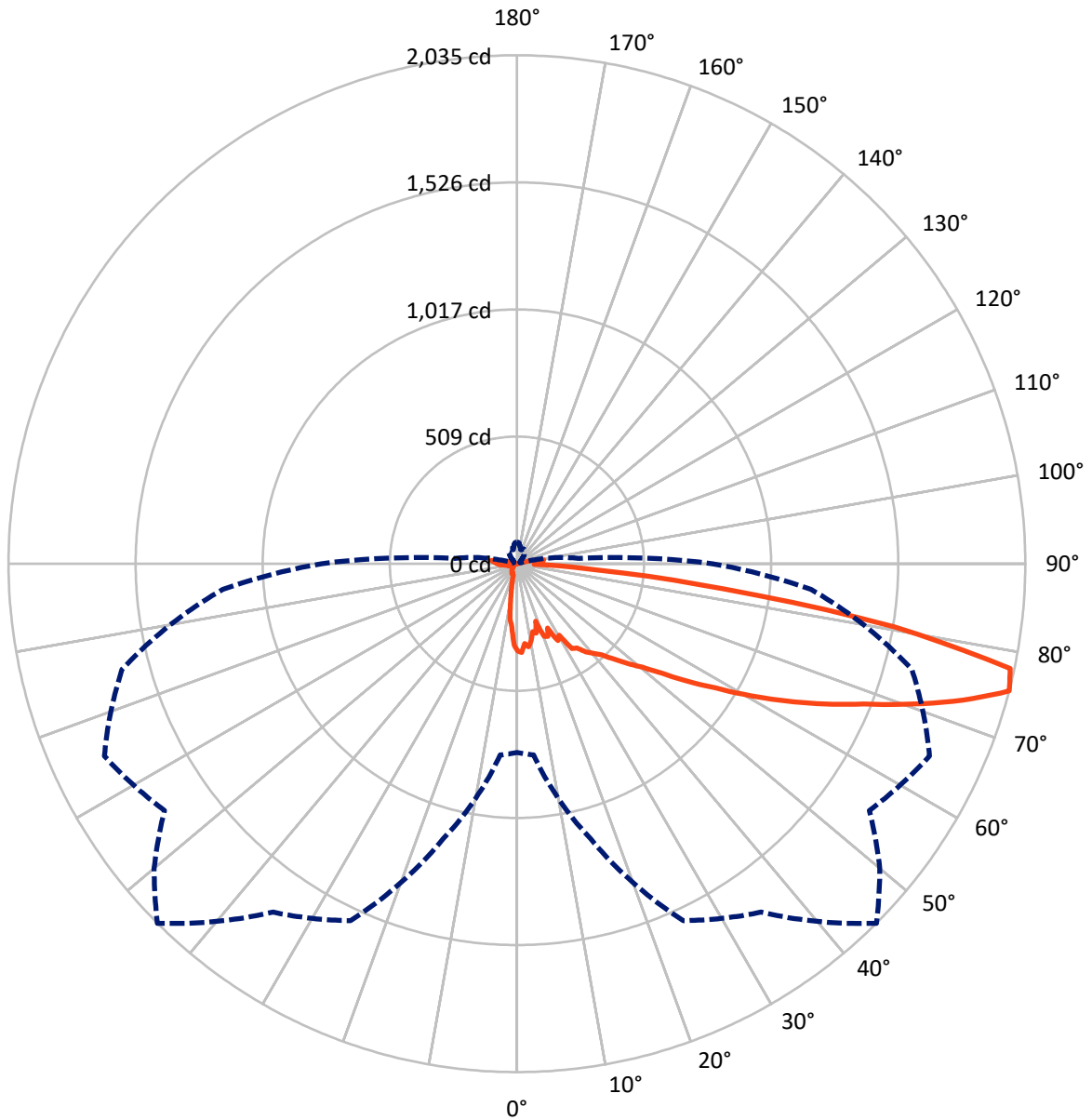


Based on 10 foot mounting height. Maximum calculated value = 3.7 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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

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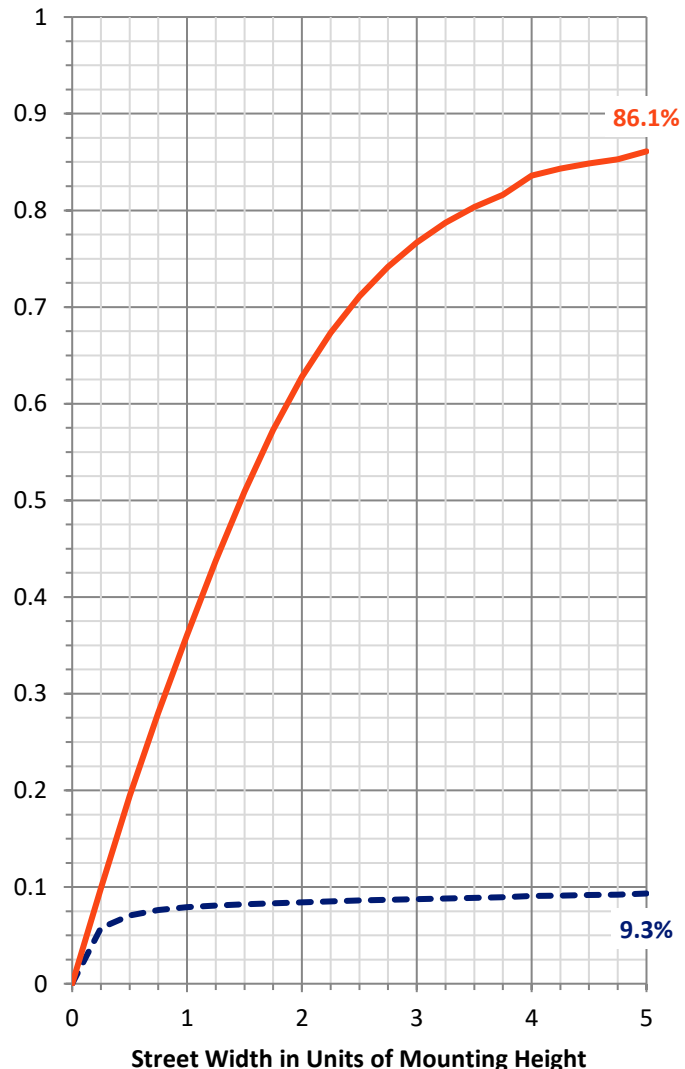
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	314.3	55.0	369.2
	% Fixture	10.3	1.8	12.1
Street Side	Lumens	2651.1	42.5	2693.6
	% Fixture	86.6	1.4	87.9
Total	Lumens	2965.4	97.4	3062.8
	% Fixture	96.8	3.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.1	0.9
10°-20°	58.6	1.9
20°-30°	98.3	3.2
30°-40°	182.3	6.0
40°-50°	307.2	10.0
50°-60°	551.4	18.0
60°-70°	828.0	27.0
70°-80°	757.5	24.7
80°-90°	154.9	5.1
90°-100°	74.1	2.4
100°-110°	15.8	0.5
110°-120°	3.0	0.1
120°-130°	2.4	0.1
130°-140°	1.1	0.0
140°-150°	0.6	0.0
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2965.4	96.8
0°-180°	3062.8	100.0



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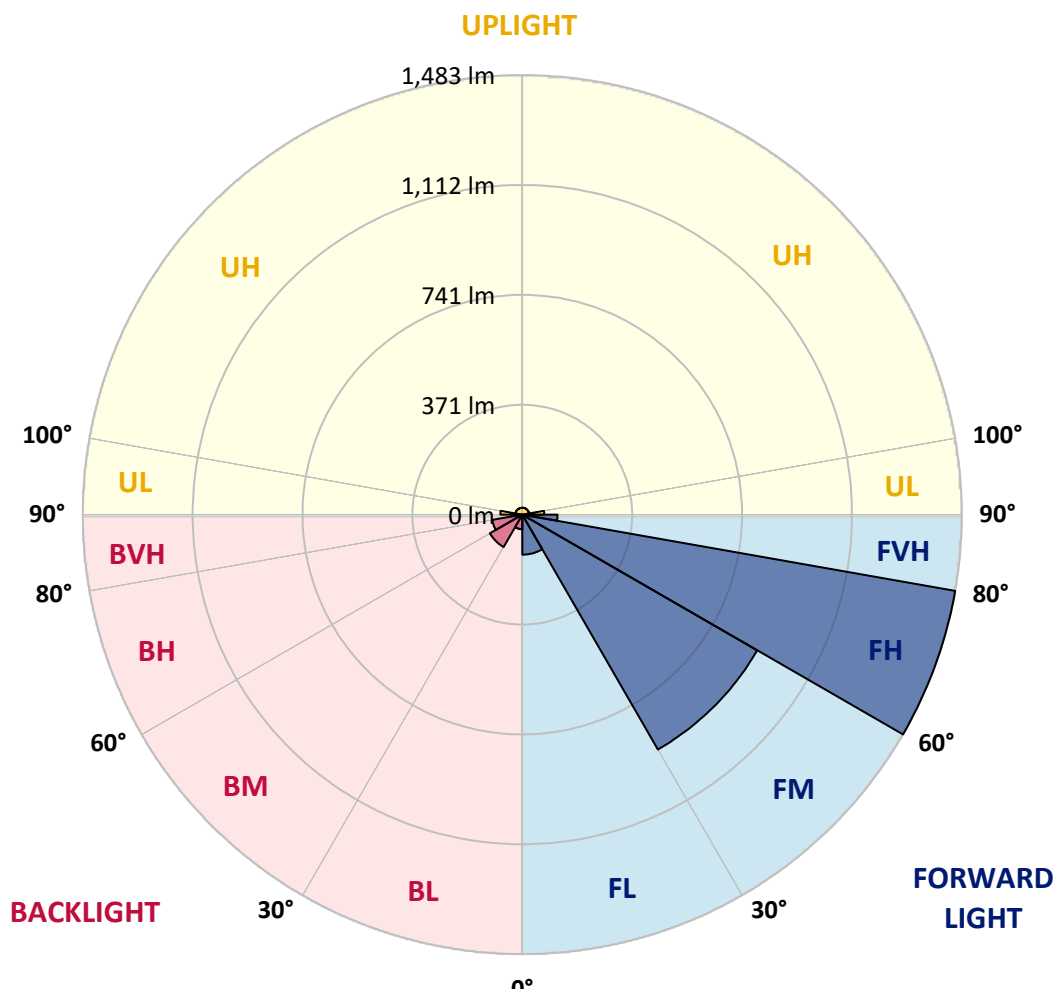
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	134.9	4.4			
FM	(30°-60°)	914.9	29.9			
FH	(60°-80°)	1482.5	48.4			G1/1800
FVH	(80°-90°)	118.8	3.9			G2/225
BL	(0°-30°)	49.1	1.6	B0/110		
BM	(30°-60°)	126.1	4.1	B0/220		
BH	(60°-80°)	103.0	3.4	B0/110		G0/110
BVH	(80°-90°)	36.1	1.2			G1/100
UL	(90°-100°)	74.1	2.4		U3/500	
UH	(100°-180°)	23.3	0.8		U2/50	

BUG Rating: B0-U3-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	349.0	349.0	349.0	349.0	349.0	349.0	349.0	349.0	349.0	349.0	349.0
2.5°	339.2	355.5	350.6	358.8	357.2	355.5	355.5	357.2	355.5	352.3	349.0
5°	345.7	340.8	337.5	335.9	329.3	321.1	317.9	314.6	349.0	349.0	342.4
7.5°	355.5	355.5	349.0	344.1	344.1	335.9	327.7	321.1	304.8	299.8	299.8
10°	378.5	375.2	370.3	360.5	311.3	312.9	294.9	258.9	242.5	249.0	258.9
12.5°	383.4	381.8	375.2	373.6	327.7	278.5	231.0	258.9	247.4	206.4	229.4
15°	411.2	408.0	394.9	371.9	280.2	288.4	268.7	231.0	221.2	252.3	270.3
17.5°	350.6	350.6	393.2	360.5	304.8	242.5	240.9	268.7	242.5	226.1	224.5
20°	430.9	430.9	412.9	294.9	312.9	309.7	249.0	281.8	237.6	268.7	286.7
22.5°	358.8	357.2	370.3	365.4	299.8	316.2	255.6	257.2	283.5	242.5	208.1
25°	437.5	437.5	427.6	317.9	340.8	285.1	291.6	308.0	252.3	306.4	309.7
27.5°	376.8	375.2	357.2	363.7	317.9	349.0	265.4	290.0	309.7	331.0	363.7
30°	460.4	463.7	455.5	345.7	353.9	332.6	316.2	335.9	375.2	440.7	462.0
32.5°	568.5	571.8	485.0	416.2	355.5	404.7	339.2	370.3	430.9	462.0	485.0
35°	632.4	607.9	570.2	465.3	383.4	414.5	389.9	394.9	448.9	498.1	514.5
37.5°	686.5	653.7	609.5	480.1	404.7	447.3	406.3	412.9	486.6	530.9	552.2
40°	704.5	684.9	660.3	512.8	430.9	471.9	426.0	440.7	522.7	573.5	606.2
42.5°	748.8	750.4	735.7	558.7	458.8	498.1	458.8	468.6	570.2	632.4	680.0
45°	866.7	870.0	853.6	637.4	493.2	544.0	511.2	516.1	624.2	722.6	783.2
47.5°	1017.5	1006.0	989.6	742.2	545.6	596.4	571.8	566.9	688.1	840.5	894.6
50°	1169.8	1148.5	1114.1	886.4	635.7	650.5	634.1	630.8	765.2	961.8	1020.8
52.5°	1328.8	1312.4	1240.3	1022.4	770.1	729.1	711.1	729.1	865.1	1096.1	1150.2
55°	1412.3	1396.0	1350.1	1168.2	899.5	830.7	799.6	832.3	1019.1	1222.3	1292.7
57.5°	1481.2	1476.2	1454.9	1320.6	1056.8	938.8	907.7	938.8	1142.0	1340.2	1423.8
60°	1579.5	1559.8	1579.5	1468.0	1209.2	1071.5	1028.9	1061.7	1292.7	1443.5	1568.0
62.5°	1649.9	1645.0	1684.3	1633.5	1337.0	1210.8	1148.5	1179.7	1425.4	1553.2	1710.5
65°	1574.5	1599.1	1756.4	1741.7	1481.2	1353.4	1287.8	1278.0	1533.6	1671.2	1862.9
67.5°	1440.2	1456.6	1686.0	1797.4	1607.3	1497.5	1418.9	1373.0	1633.5	1777.7	1984.2
70°	1312.4	1332.1	1541.8	1800.7	1667.9	1682.7	1572.9	1487.7	1733.5	1897.3	2010.4
72.5°	1210.8	1228.8	1417.3	1761.3	1689.2	1867.8	1741.7	1609.0	1830.1	1900.6	1756.4
75°	755.3	768.4	1140.4	1576.2	1702.3	2034.9	1895.7	1722.0	1822.0	1636.8	1181.3
77.5°	232.7	237.6	488.3	1040.4	1479.5	2018.6	1869.5	1618.8	1527.0	1038.8	539.0
80°	80.3	81.9	126.2	370.3	884.8	1531.9	1425.4	1191.1	912.6	383.4	203.2
82.5°	37.7	41.0	59.0	124.5	360.5	837.2	842.2	707.8	383.4	170.4	137.6
85°	13.1	13.1	24.6	54.1	139.3	322.8	306.4	285.1	201.5	154.0	127.8
87.5°	4.9	4.9	8.2	14.7	34.4	68.8	86.8	106.5	106.5	108.1	129.4
90°	4.9	4.9	3.3	3.3	24.6	72.1	86.8	96.7	88.5	98.3	140.9
92.5°	4.9	4.9	3.3	3.3	26.2	83.6	96.7	104.9	93.4	104.9	155.7
95°	4.9	4.9	3.3	3.3	29.5	101.6	113.1	111.4	93.4	109.8	167.1
97.5°	6.6	6.6	3.3	1.6	26.2	108.1	121.2	118.0	80.3	83.6	131.1
100°	6.6	6.6	3.3	1.6	16.4	80.3	96.7	95.0	52.4	13.1	37.7
102.5°	6.6	6.6	3.3	1.6	3.3	37.7	45.9	47.5	31.1	4.9	6.6
105°	8.2	8.2	3.3	1.6	1.6	6.6	14.7	19.7	11.5	3.3	6.6
107.5°	8.2	8.2	3.3	1.6	1.6	3.3	3.3	4.9	4.9	3.3	8.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	6.6	6.6	1.6	3.3	1.6	1.6	1.6	1.6	1.6	3.3	8.2
115°	3.3	3.3	1.6	1.6	0.0	1.6	1.6	1.6	1.6	3.3	6.6
117.5°	1.6	1.6	0.0	1.6	0.0	1.6	1.6	1.6	3.3	3.3	8.2
120°	1.6	1.6	0.0	0.0	0.0	0.0	1.6	1.6	1.6	4.9	9.8
122.5°	1.6	1.6	0.0	0.0	0.0	0.0	1.6	1.6	1.6	4.9	9.8
125°	1.6	1.6	0.0	0.0	0.0	0.0	1.6	1.6	1.6	4.9	9.8
127.5°	1.6	1.6	0.0	0.0	0.0	0.0	1.6	1.6	1.6	4.9	8.2
130°	1.6	1.6	0.0	0.0	0.0	0.0	1.6	1.6	1.6	3.3	6.6
132.5°	1.6	1.6	0.0	0.0	0.0	0.0	1.6	1.6	1.6	3.3	4.9
135°	1.6	1.6	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	3.3
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6
140°	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6
145°	0.0	0.0	0.0	0.0	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°	4.9	4.9	3.3	1.6	0.0	0.0	1.6	1.6	1.6	1.6	1.6
152.5°	3.3	3.3	4.9	1.6	0.0	0.0	1.6	1.6	3.3	1.6	1.6
155°	3.3	3.3	1.6	0.0	0.0	0.0	0.0	1.6	1.6	3.3	3.3
157.5°	1.6	1.6	1.6	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
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°	349.0	349.0	349.0	349.0	349.0	349.0	349.0	349.0	349.0	349.0	349.0
2.5°	345.7	344.1	339.2	335.9	331.0	326.1	301.5	286.7	285.1	283.5	285.1
5°	339.2	334.2	326.1	288.4	270.3	254.0	249.0	245.8	237.6	237.6	239.2
7.5°	293.3	290.0	263.8	252.3	237.6	222.8	209.7	199.9	175.3	167.1	163.8
10°	257.2	250.7	204.8	181.9	167.1	150.7	150.7	137.6	131.1	126.2	124.5
12.5°	222.8	217.9	180.2	165.5	124.5	108.1	99.9	91.8	86.8	83.6	81.9
15°	260.5	252.3	193.3	132.7	91.8	77.0	60.6	59.0	73.7	77.0	78.6
17.5°	208.1	213.0	172.0	116.3	75.4	47.5	52.4	62.3	70.5	70.5	68.8
20°	276.9	265.4	186.8	93.4	54.1	47.5	50.8	45.9	65.5	70.5	70.5
22.5°	201.5	191.7	154.0	86.8	42.6	45.9	42.6	54.1	60.6	54.1	55.7
25°	299.8	285.1	178.6	60.6	44.2	39.3	49.2	42.6	59.0	63.9	65.5
27.5°	371.9	322.8	175.3	57.3	39.3	44.2	41.0	49.2	47.5	50.8	50.8
30°	444.0	416.2	198.3	52.4	39.3	37.7	42.6	42.6	54.1	59.0	59.0
32.5°	475.1	442.4	173.7	50.8	39.3	37.7	37.7	45.9	50.8	60.6	60.6
35°	507.9	463.7	145.8	47.5	37.7	36.0	36.0	45.9	54.1	60.6	62.3
37.5°	552.2	486.6	118.0	45.9	36.0	34.4	31.1	41.0	57.3	63.9	65.5
40°	607.9	519.4	91.8	42.6	32.8	31.1	29.5	41.0	49.2	57.3	57.3
42.5°	694.7	555.4	72.1	41.0	31.1	27.9	27.9	34.4	47.5	54.1	54.1
45°	783.2	598.0	60.6	39.3	29.5	26.2	26.2	34.4	36.0	45.9	45.9
47.5°	881.5	640.6	55.7	37.7	29.5	22.9	22.9	31.1	31.1	42.6	44.2
50°	983.1	676.7	52.4	36.0	26.2	21.3	26.2	21.3	26.2	41.0	44.2
52.5°	1071.5	706.2	49.2	32.8	24.6	19.7	24.6	21.3	26.2	37.7	37.7
55°	1161.7	722.6	47.5	31.1	22.9	16.4	24.6	22.9	24.6	34.4	34.4
57.5°	1241.9	727.5	45.9	31.1	19.7	14.7	22.9	27.9	21.3	27.9	31.1
60°	1314.0	722.6	41.0	27.9	14.7	14.7	24.6	32.8	29.5	32.8	32.8
62.5°	1381.2	704.5	32.8	22.9	11.5	14.7	31.1	36.0	27.9	34.4	37.7
65°	1438.6	680.0	24.6	18.0	8.2	16.4	32.8	41.0	32.8	39.3	42.6
67.5°	1464.8	647.2	19.7	14.7	8.2	18.0	34.4	45.9	37.7	44.2	47.5
70°	1420.5	580.0	16.4	14.7	6.6	21.3	36.0	49.2	42.6	55.7	57.3
72.5°	1179.7	455.5	14.7	14.7	11.5	26.2	45.9	55.7	52.4	75.4	73.7
75°	781.5	249.0	14.7	13.1	14.7	31.1	55.7	65.5	57.3	85.2	85.2
77.5°	360.5	109.8	13.1	14.7	16.4	34.4	63.9	78.6	65.5	96.7	95.0
80°	157.3	67.2	13.1	13.1	18.0	37.7	72.1	88.5	72.1	106.5	106.5
82.5°	118.0	60.6	11.5	13.1	24.6	42.6	83.6	98.3	80.3	114.7	113.1
85°	109.8	57.3	13.1	14.7	27.9	54.1	98.3	106.5	83.6	118.0	118.0
87.5°	111.4	55.7	13.1	14.7	37.7	68.8	111.4	114.7	91.8	124.5	124.5
90°	114.7	57.3	14.7	16.4	42.6	75.4	124.5	122.9	103.2	131.1	131.1
92.5°	122.9	57.3	16.4	18.0	45.9	83.6	136.0	126.2	111.4	136.0	132.7
95°	127.8	57.3	18.0	19.7	54.1	91.8	144.2	122.9	118.0	126.2	122.9
97.5°	95.0	42.6	21.3	22.9	55.7	103.2	132.7	104.9	77.0	75.4	77.0
100°	31.1	14.7	22.9	24.6	36.0	72.1	98.3	75.4	41.0	31.1	31.1
102.5°	8.2	8.2	21.3	22.9	19.7	31.1	57.3	49.2	27.9	1.6	3.3
105°	8.2	6.6	13.1	18.0	11.5	8.2	22.9	27.9	21.3	1.6	1.6
107.5°	8.2	6.6	6.6	9.8	3.3	3.3	6.6	6.6	6.6	1.6	1.6



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CATALOG NUMBER: SDL-PA1-40-730-U-T4W-HSS-A

CANDELA DISTRIBUTION (continued):

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



110°	8.2	6.6	3.3	3.3	3.3	3.3	3.3	1.6	1.6	3.3	3.3
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(END OF REPORT)