

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: P560212

Luminaire Tested: **SDL-PA1-30-740-U-T3-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560212
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-3)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-30-740-U-T3-A
Description: Springdale
(1) 70 CRI, 4000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3559.7 lumens
Efficiency: N/A
Efficacy: 118.3 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): 30.1
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

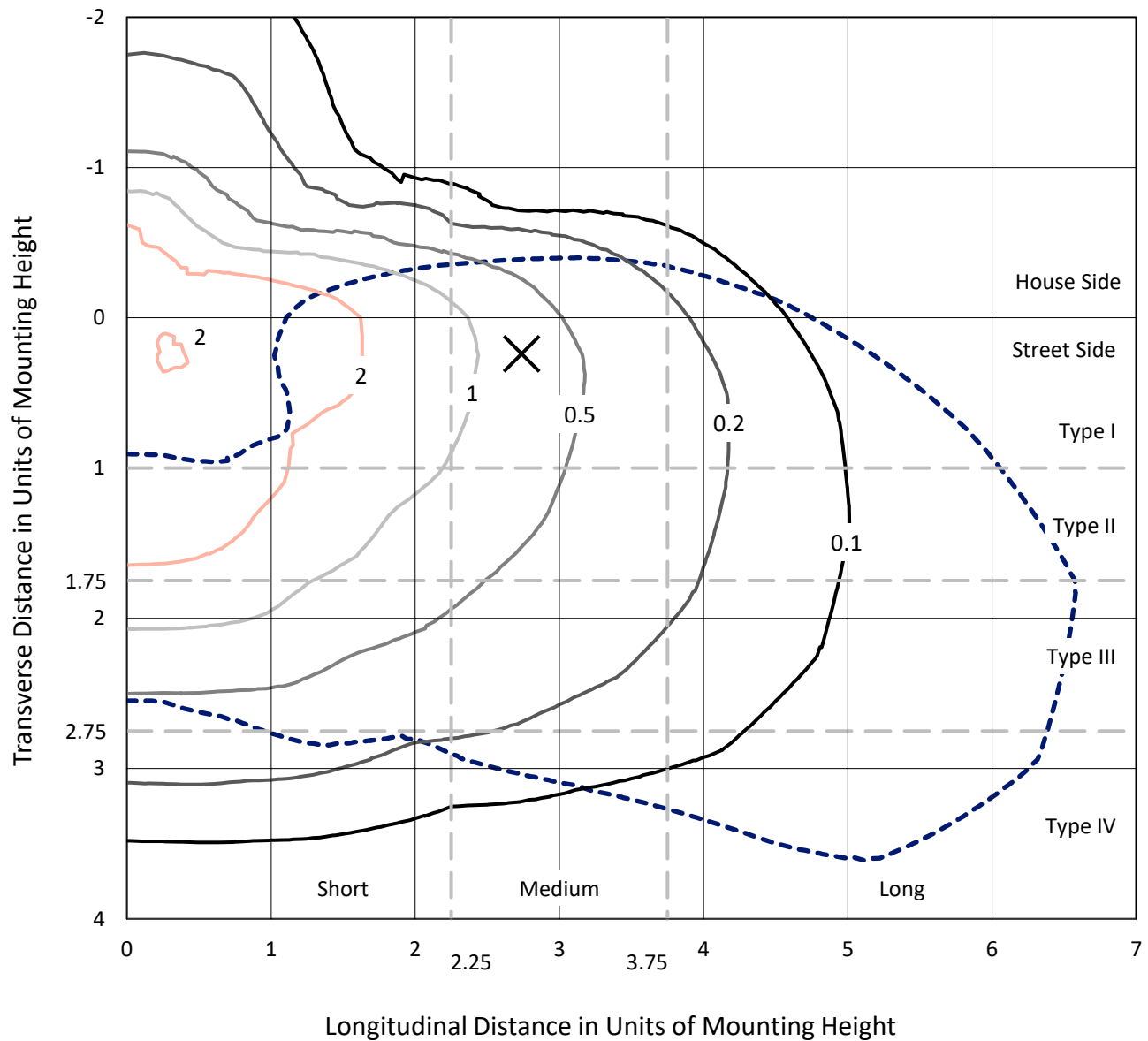


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd

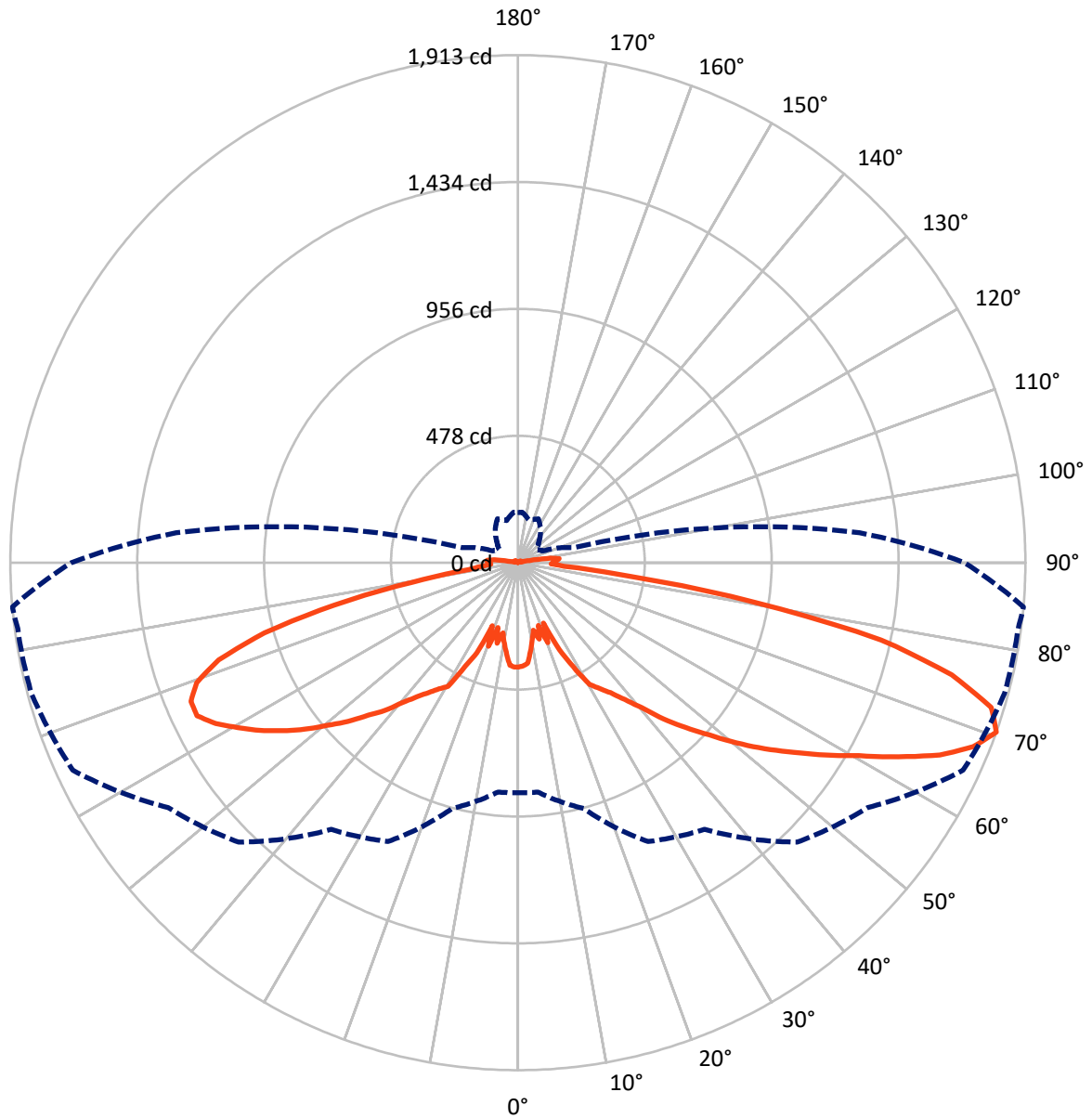


Based on 10 foot mounting height. Maximum calculated value = 4 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 85-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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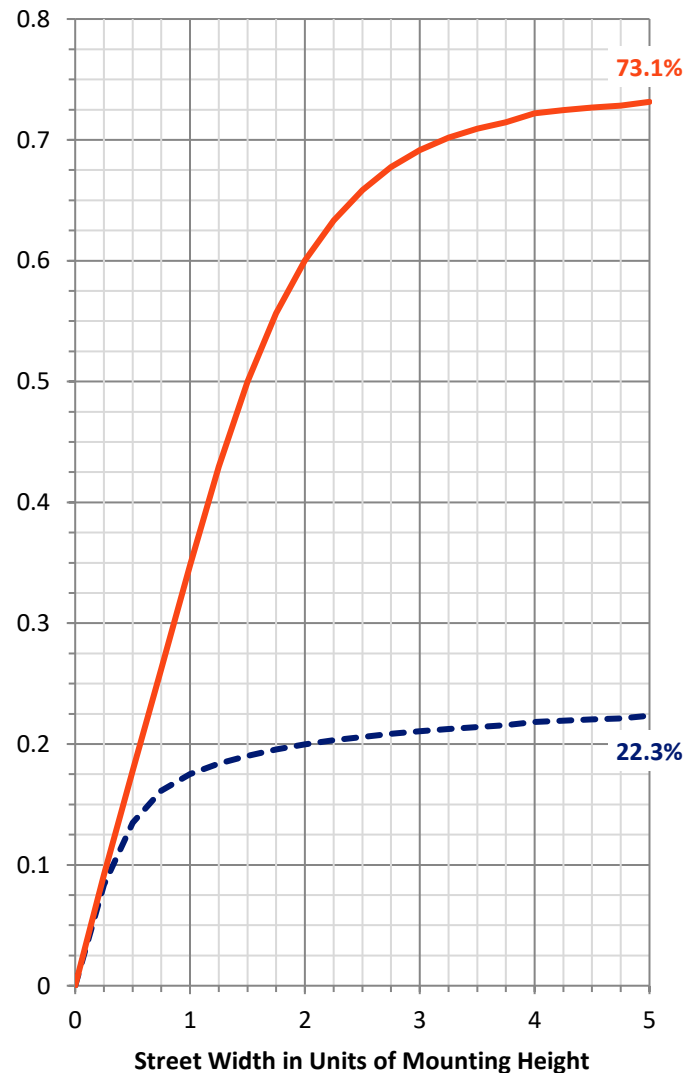
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	836.9	53.9	890.8
	% Fixture	23.5	1.5	25.0
Street Side	Lumens	2623.3	45.6	2668.8
	% Fixture	73.7	1.3	75.0
Total	Lumens	3460.2	99.5	3559.7
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.1	0.9
10°-20°	78.5	2.2
20°-30°	143.1	4.0
30°-40°	270.4	7.6
40°-50°	452.0	12.7
50°-60°	705.4	19.8
60°-70°	874.8	24.6
70°-80°	714.7	20.1
80°-90°	189.2	5.3
90°-100°	71.8	2.0
100°-110°	15.3	0.4
110°-120°	5.0	0.1
120°-130°	3.9	0.1
130°-140°	1.8	0.1
140°-150°	0.9	0.0
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3460.2	97.2
0°-180°	3559.7	100.0

Coefficient of Utilization



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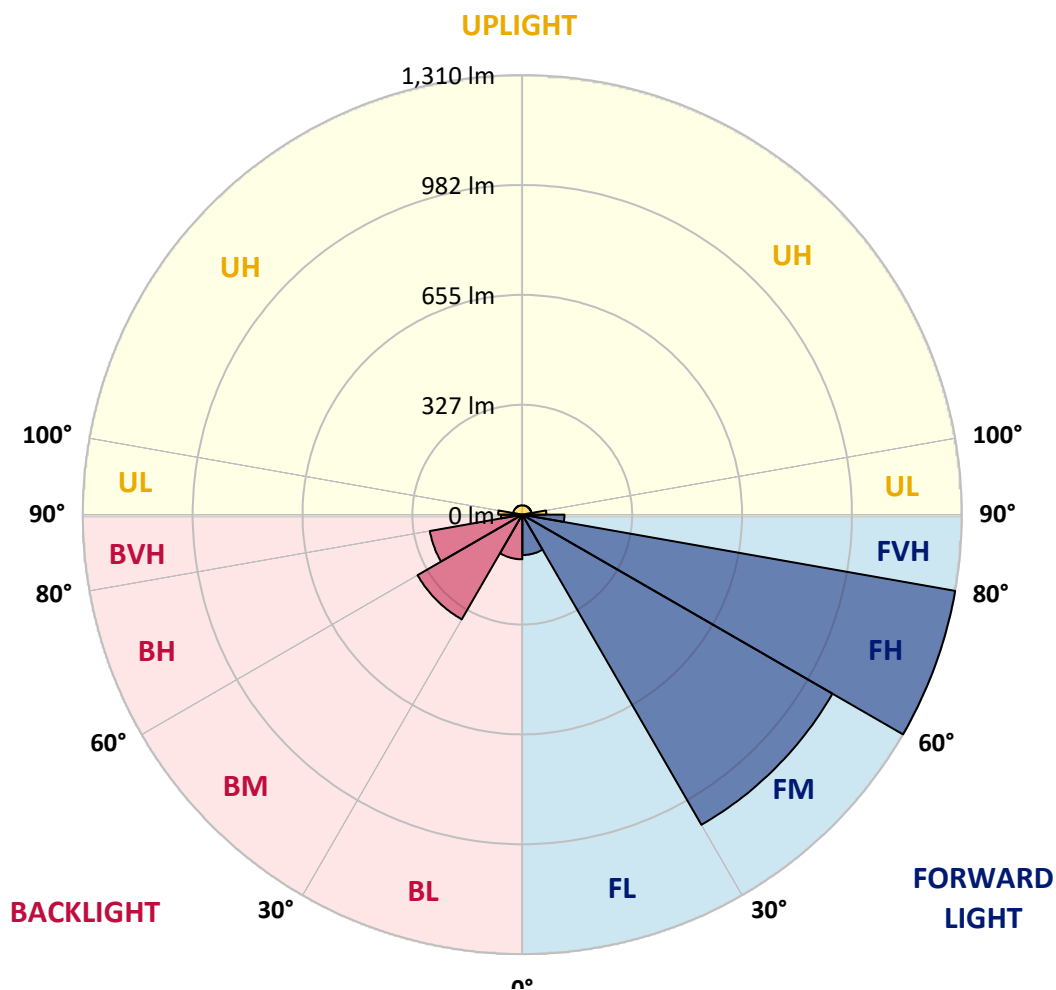
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	120.6	3.4			
FM	(30°-60°)	1067.4	30.0			
FH	(60°-80°)	1309.9	36.8			G1/1800
FVH	(80°-90°)	125.5	3.5			G2/225
BL	(0°-30°)	133.1	3.7	B1/500		
BM	(30°-60°)	360.5	10.1	B1/1000		
BH	(60°-80°)	279.6	7.9	B1/500		G1/500
BVH	(80°-90°)	63.7	1.8			G1/100
UL	(90°-100°)	71.8	2.0		U3/500	
UH	(100°-180°)	27.7	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°	55°	65°	75°	82.5°	85°
0°	393.3	393.3	393.3	393.3	393.3	393.3	393.3	393.3	393.3	393.3	393.3
2.5°	325.7	357.4	351.9	361.5	367.1	375.3	380.9	383.6	386.4	389.1	389.1
5°	302.2	303.6	305.0	306.3	309.1	313.2	317.4	361.5	375.3	380.9	380.9
7.5°	276.0	274.6	280.1	287.0	296.7	302.2	306.3	307.7	322.9	335.3	338.1
10°	274.6	276.0	276.0	278.7	262.2	260.8	241.5	242.9	263.6	295.3	296.7
12.5°	238.7	245.6	260.8	271.8	255.3	229.1	224.9	236.0	220.8	259.4	260.8
15°	266.3	264.9	264.9	253.9	215.3	226.3	201.5	209.8	256.7	292.5	299.4
17.5°	231.8	229.1	256.7	248.4	223.6	189.1	226.3	223.6	231.8	252.5	248.4
20°	291.2	288.4	282.9	215.3	226.3	237.3	230.5	215.3	271.8	303.6	321.5
22.5°	271.8	274.6	288.4	273.2	233.2	244.2	218.0	264.9	256.7	244.2	247.0
25°	371.2	368.4	354.6	267.7	278.7	227.7	266.3	236.0	325.7	361.5	364.3
27.5°	342.2	338.1	328.4	336.7	282.9	298.1	259.4	309.1	360.2	423.6	443.0
30°	454.0	449.9	438.8	339.5	336.7	295.3	314.6	379.5	485.7	534.0	532.7
32.5°	585.1	554.7	487.1	434.7	360.2	383.6	360.2	447.1	517.5	564.4	564.4
35°	665.1	659.6	623.7	505.1	419.5	418.1	414.0	492.6	571.3	604.4	601.7
37.5°	732.7	742.4	716.2	585.1	473.3	484.4	463.7	554.7	637.5	656.9	654.1
40°	826.6	823.8	810.0	654.1	539.6	538.2	523.0	629.3	710.7	724.5	717.6
42.5°	966.0	950.8	909.4	746.5	609.9	609.9	582.3	699.6	800.4	801.7	805.9
45°	1137.1	1130.2	1057.0	890.1	701.0	699.6	654.1	774.1	891.4	898.3	885.9
47.5°	1255.7	1235.0	1199.2	1021.2	841.8	810.0	741.0	847.3	1000.5	994.9	970.1
50°	1373.0	1356.5	1323.4	1164.7	988.0	924.6	822.4	923.2	1105.3	1090.2	1066.7
52.5°	1473.8	1451.7	1415.8	1282.0	1116.4	1066.7	916.3	992.2	1211.6	1186.7	1164.7
55°	1531.7	1486.2	1489.0	1386.8	1213.0	1173.0	1021.2	1104.0	1315.1	1279.2	1261.3
57.5°	1460.0	1457.2	1502.8	1451.7	1301.3	1261.3	1132.9	1215.7	1422.7	1375.8	1367.5
60°	1388.2	1396.5	1461.4	1471.0	1370.3	1341.3	1229.5	1374.4	1527.6	1476.5	1476.5
62.5°	1288.9	1312.3	1403.4	1477.9	1377.2	1420.0	1330.3	1509.7	1642.1	1595.2	1610.4
65°	1175.7	1175.7	1280.6	1421.3	1355.1	1472.4	1442.0	1657.3	1742.9	1715.3	1747.0
67.5°	1021.2	1023.9	1132.9	1310.9	1315.1	1498.6	1531.7	1773.2	1847.7	1827.0	1850.5
70°	866.6	868.0	959.1	1159.2	1226.8	1489.0	1609.0	1850.5	1898.8	1901.6	1912.6
72.5°	648.6	672.0	757.6	941.1	1073.6	1448.9	1649.0	1872.6	1897.4	1901.6	1865.7
75°	349.1	360.2	455.4	612.7	797.6	1284.7	1636.6	1849.1	1831.2	1782.9	1689.0
77.5°	121.4	127.0	160.1	267.7	452.6	909.4	1517.9	1747.0	1689.0	1537.3	1399.3
80°	78.7	78.7	86.9	128.3	205.6	430.5	1178.5	1497.2	1360.6	1036.3	908.0
82.5°	55.2	56.6	63.5	85.6	132.5	184.9	612.7	760.3	749.3	516.1	434.7
85°	40.0	41.4	44.2	49.7	91.1	114.5	238.7	365.7	338.1	184.9	173.9
87.5°	17.9	20.7	17.9	22.1	35.9	70.4	114.5	113.2	107.6	122.8	125.6
90°	13.8	13.8	11.0	12.4	24.8	63.5	106.3	102.1	109.0	133.9	132.5
92.5°	13.8	13.8	11.0	12.4	23.5	63.5	111.8	99.4	113.2	143.5	144.9
95°	13.8	15.2	11.0	11.0	19.3	64.9	118.7	106.3	120.1	155.9	155.9
97.5°	12.4	12.4	8.3	9.7	15.2	59.3	118.7	91.1	88.3	125.6	124.2
100°	9.7	11.0	5.5	8.3	11.0	35.9	88.3	56.6	24.8	29.0	44.2
102.5°	9.7	9.7	5.5	6.9	8.3	15.2	46.9	33.1	6.9	9.7	9.7
105°	9.7	11.0	5.5	5.5	5.5	6.9	22.1	16.6	5.5	8.3	9.7
107.5°	11.0	11.0	4.1	4.1	4.1	4.1	8.3	6.9	5.5	9.7	11.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82.5°	85°
112.5°	9.7	9.7	4.1	4.1	2.8	2.8	2.8	4.1	5.5	8.3	9.7
115°	6.9	6.9	2.8	4.1	2.8	2.8	2.8	4.1	4.1	6.9	8.3
117.5°	6.9	5.5	2.8	2.8	1.4	2.8	2.8	4.1	5.5	9.7	9.7
120°	6.9	6.9	2.8	1.4	1.4	1.4	1.4	2.8	6.9	11.0	12.4
122.5°	6.9	6.9	2.8	1.4	1.4	1.4	1.4	2.8	6.9	11.0	12.4
125°	8.3	6.9	4.1	1.4	1.4	1.4	1.4	1.4	5.5	9.7	11.0
127.5°	6.9	6.9	4.1	1.4	1.4	1.4	1.4	1.4	4.1	8.3	9.7
130°	6.9	6.9	4.1	1.4	1.4	1.4	1.4	1.4	4.1	6.9	6.9
132.5°	5.5	5.5	4.1	1.4	1.4	1.4	1.4	1.4	2.8	5.5	5.5
135°	5.5	5.5	2.8	1.4	1.4	1.4	1.4	1.4	1.4	4.1	4.1
137.5°	2.8	2.8	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
140°	0.0	1.4	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
142.5°	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
145°	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
147.5°	1.4	1.4	1.4	2.8	2.8	1.4	1.4	1.4	1.4	1.4	1.4
150°	4.1	4.1	4.1	2.8	2.8	1.4	2.8	1.4	1.4	1.4	1.4
152.5°	4.1	4.1	5.5	2.8	1.4	1.4	1.4	2.8	1.4	1.4	1.4
155°	2.8	2.8	2.8	1.4	1.4	1.4	1.4	1.4	2.8	2.8	4.1
157.5°	1.4	1.4	1.4	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4
160°	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4
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°	393.3	393.3	393.3	393.3	393.3	393.3	393.3	393.3	393.3	393.3	393.3
2.5°	390.5	393.3	394.7	398.8	398.8	398.8	389.1	365.7	365.7	367.1	368.4
5°	385.0	387.8	393.3	374.0	354.6	353.3	360.2	364.3	365.7	367.1	364.3
7.5°	340.8	346.4	343.6	345.0	354.6	364.3	372.6	367.1	353.3	343.6	346.4
10°	303.6	309.1	278.7	281.5	292.5	320.1	365.7	380.9	390.5	394.7	394.7
12.5°	266.3	270.5	244.2	282.9	263.6	306.3	356.0	393.3	356.0	340.8	340.8
15°	305.0	313.2	281.5	251.1	256.7	310.5	273.2	375.3	386.4	389.1	391.9
17.5°	260.8	255.3	260.8	264.9	288.4	241.5	313.2	353.3	331.2	322.9	327.0
20°	328.4	333.9	305.0	260.8	263.6	307.7	278.7	316.0	376.7	378.1	380.9
22.5°	249.8	256.7	273.2	310.5	271.8	298.1	293.9	328.4	307.7	309.1	320.1
25°	367.1	372.6	343.6	277.4	296.7	269.1	296.7	292.5	345.0	347.7	347.7
27.5°	449.9	437.4	375.3	313.2	260.8	284.3	267.7	278.7	266.3	303.6	309.1
30°	535.4	535.4	487.1	349.1	276.0	241.5	244.2	264.9	295.3	300.8	300.8
32.5°	561.6	560.3	498.2	378.1	271.8	249.8	224.9	249.8	302.2	328.4	331.2
35°	598.9	593.4	517.5	368.4	262.2	227.7	212.5	251.1	289.8	293.9	291.2
37.5°	645.8	632.0	540.9	350.5	240.1	213.9	204.2	226.3	259.4	259.4	259.4
40°	703.8	681.7	549.2	325.7	216.7	196.0	186.3	209.8	231.8	219.4	215.3
42.5°	782.4	749.3	556.1	307.7	196.0	180.8	168.4	190.4	201.5	194.6	191.8
45°	855.6	805.9	567.2	288.4	179.4	167.0	155.9	175.3	183.5	176.6	175.3
47.5°	942.5	876.3	568.5	270.5	167.0	155.9	147.7	164.2	169.7	169.7	168.4
50°	1032.2	943.9	579.6	255.3	154.6	144.9	143.5	155.9	160.1	157.3	155.9
52.5°	1134.3	1019.8	583.7	236.0	139.4	132.5	139.4	147.7	160.1	161.5	161.5
55°	1243.3	1090.2	581.0	209.8	128.3	125.6	135.2	153.2	164.2	155.9	154.6
57.5°	1349.6	1160.5	582.3	180.8	117.3	122.8	136.6	160.1	168.4	158.7	154.6
60°	1444.8	1224.0	563.0	154.6	109.0	115.9	142.1	167.0	164.2	167.0	162.8
62.5°	1562.1	1290.2	507.8	138.0	102.1	113.2	142.1	171.1	160.1	171.1	171.1
65°	1658.7	1339.9	429.2	124.2	96.6	113.2	143.5	172.5	155.9	173.9	173.9
67.5°	1700.1	1338.5	310.5	113.2	89.7	110.4	143.5	178.0	160.1	179.4	178.0
70°	1683.5	1293.0	219.4	104.9	85.6	111.8	149.0	182.2	164.2	190.4	189.1
72.5°	1571.8	1185.4	158.7	98.0	80.0	106.3	153.2	187.7	168.4	207.0	207.0
75°	1384.1	990.8	128.3	91.1	74.5	104.9	154.6	190.4	171.1	209.8	209.8
77.5°	1058.4	712.0	107.6	84.2	69.0	102.1	153.2	194.6	169.7	209.8	209.8
80°	634.8	405.7	89.7	75.9	70.4	100.7	155.9	194.6	169.7	207.0	207.0
82.5°	292.5	186.3	80.0	63.5	66.2	99.4	158.7	191.8	162.8	207.0	198.7
85°	162.8	131.1	69.0	53.8	59.3	93.8	150.4	172.5	146.3	171.1	168.4
87.5°	121.4	102.1	44.2	27.6	38.6	66.2	115.9	136.6	110.4	132.5	131.1
90°	129.7	107.6	40.0	27.6	41.4	60.7	109.0	121.4	102.1	122.8	121.4
92.5°	139.4	113.2	40.0	29.0	46.9	66.2	109.0	118.7	100.7	111.8	113.2
95°	146.3	117.3	38.6	31.7	49.7	71.8	106.3	109.0	92.5	96.6	100.7
97.5°	114.5	88.3	34.5	33.1	48.3	58.0	86.9	85.6	63.5	59.3	59.3
100°	35.9	24.8	30.4	34.5	29.0	27.6	51.1	60.7	37.3	24.8	23.5
102.5°	11.0	9.7	27.6	33.1	22.1	12.4	27.6	38.6	27.6	4.1	5.5
105°	11.0	11.0	17.9	27.6	15.2	5.5	11.0	20.7	16.6	4.1	4.1
107.5°	11.0	9.7	6.9	15.2	5.5	4.1	5.5	5.5	5.5	4.1	4.1



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CATALOG NUMBER: SDL-PA1-30-740-U-T3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	11.0	11.0	5.5	5.5	4.1	4.1	2.8	2.8	4.1	9.7	9.7
115°	9.7	9.7	5.5	4.1	2.8	4.1	2.8	2.8	4.1	11.0	11.0
117.5°	11.0	11.0	5.5	4.1	2.8	2.8	2.8	1.4	4.1	12.4	13.8
120°	13.8	12.4	6.9	2.8	2.8	2.8	2.8	2.8	5.5	11.0	12.4
122.5°	13.8	13.8	6.9	2.8	1.4	1.4	1.4	2.8	5.5	11.0	12.4
125°	12.4	12.4	6.9	2.8	1.4	1.4	1.4	1.4	5.5	9.7	9.7
127.5°	11.0	11.0	5.5	2.8	1.4	1.4	1.4	1.4	4.1	8.3	9.7
130°	8.3	8.3	4.1	2.8	1.4	1.4	1.4	1.4	4.1	6.9	8.3
132.5°	6.9	6.9	4.1	2.8	1.4	1.4	1.4	1.4	4.1	5.5	6.9
135°	4.1	4.1	2.8	1.4	1.4	1.4	1.4	1.4	2.8	4.1	5.5
137.5°	2.8	2.8	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8	2.8
140°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	1.4	1.4	1.4	1.4
142.5°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	1.4	1.4	1.4	1.4
145°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
147.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
150°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8	2.8	4.1	2.8
152.5°	1.4	1.4	1.4	2.8	1.4	0.0	0.0	2.8	2.8	4.1	4.1
155°	4.1	4.1	2.8	1.4	1.4	0.0	0.0	0.0	2.8	2.8	2.8
157.5°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	1.4	1.4	1.4
160°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	1.4	1.4
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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110°	11.0	11.0	4.1	4.1	2.8	2.8	4.1	4.1	5.5	9.7	11.0
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110°	11.0	11.0	5.5	5.5	4.1	4.1	4.1	2.8	2.8	6.9	6.9
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(END OF REPORT)