

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: P560208

Luminaire Tested: **SDL-PA1-30-740-U-T2U-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560208
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-7)
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-T2U-A
Description: Springdale
(1) 70 CRI, 4000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3613.5 lumens
Efficiency: N/A
Efficacy: 120.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type II - Medium
BUG Rating: B1 - U3 - G1

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

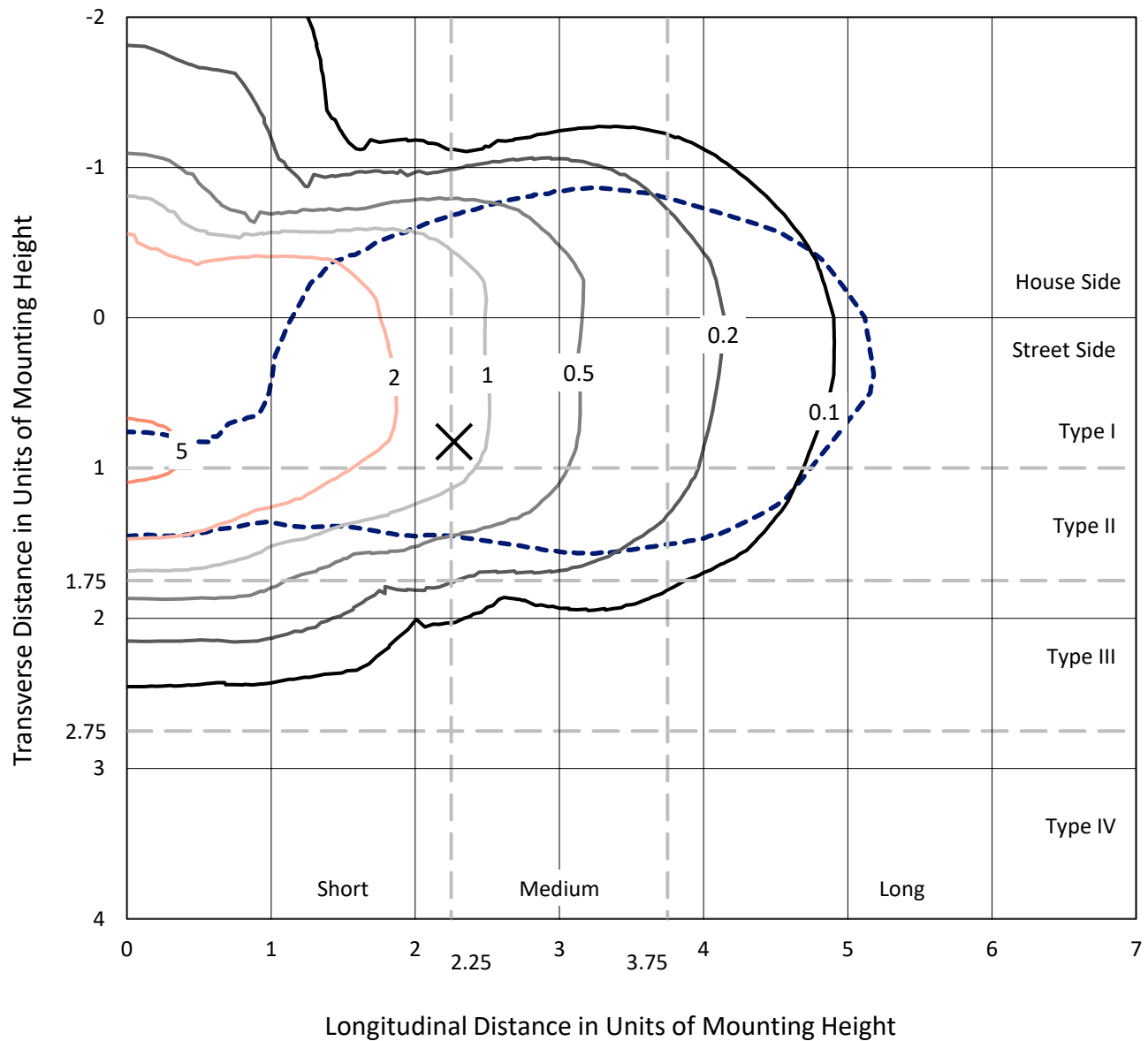


REPORT NUMBER: P560208

CATALOG NUMBER: SDL-PA1-30-740-U-T2U-A

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd

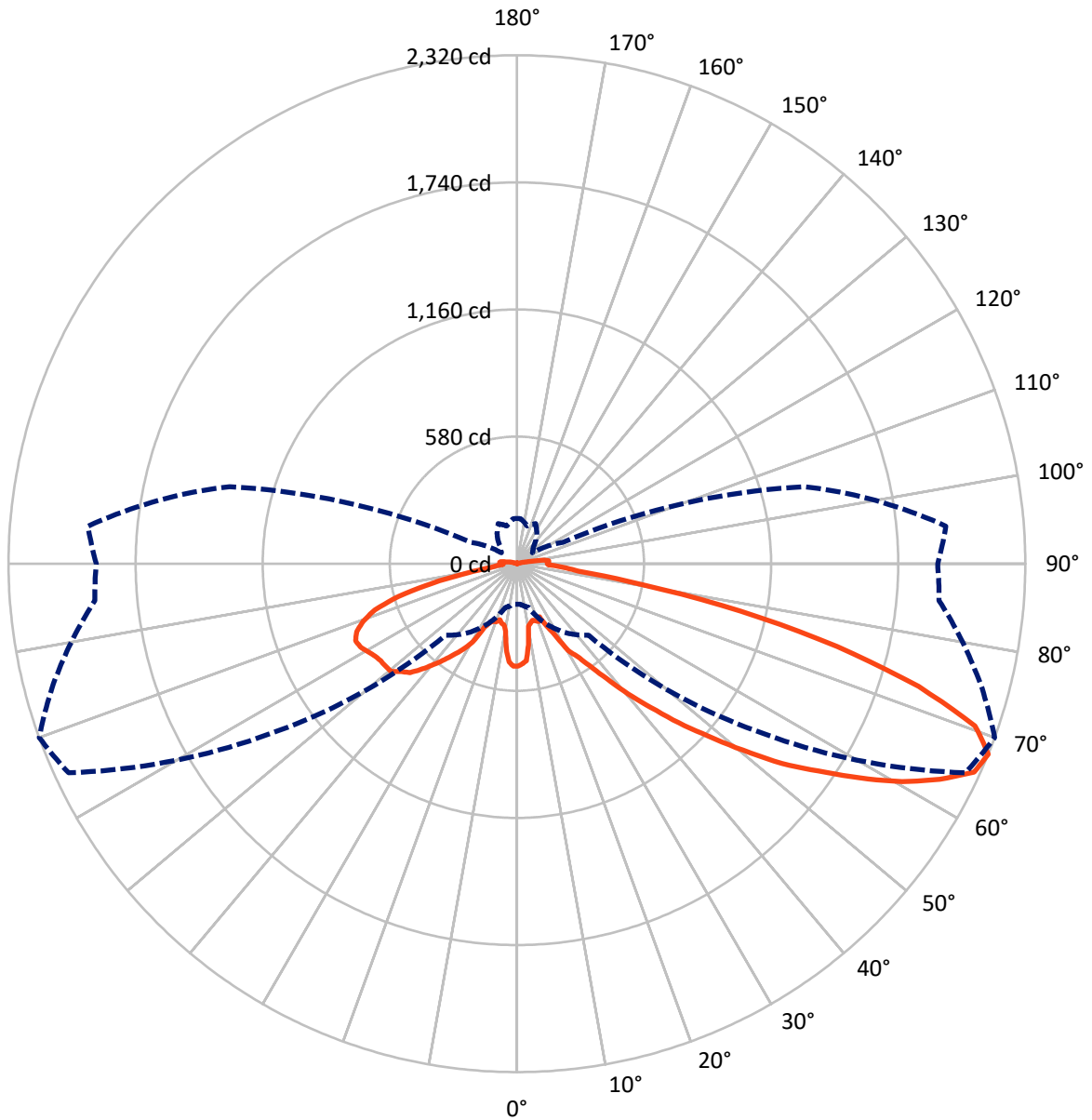


Based on 10 foot mounting height. Maximum calculated value = 6 fc
Type II - Medium - N/A

REPORT NUMBER: P560208

CATALOG NUMBER: SDL-PA1-30-740-U-T2U-A

Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P560208

CATALOG NUMBER: SDL-PA1-30-740-U-T2U-A

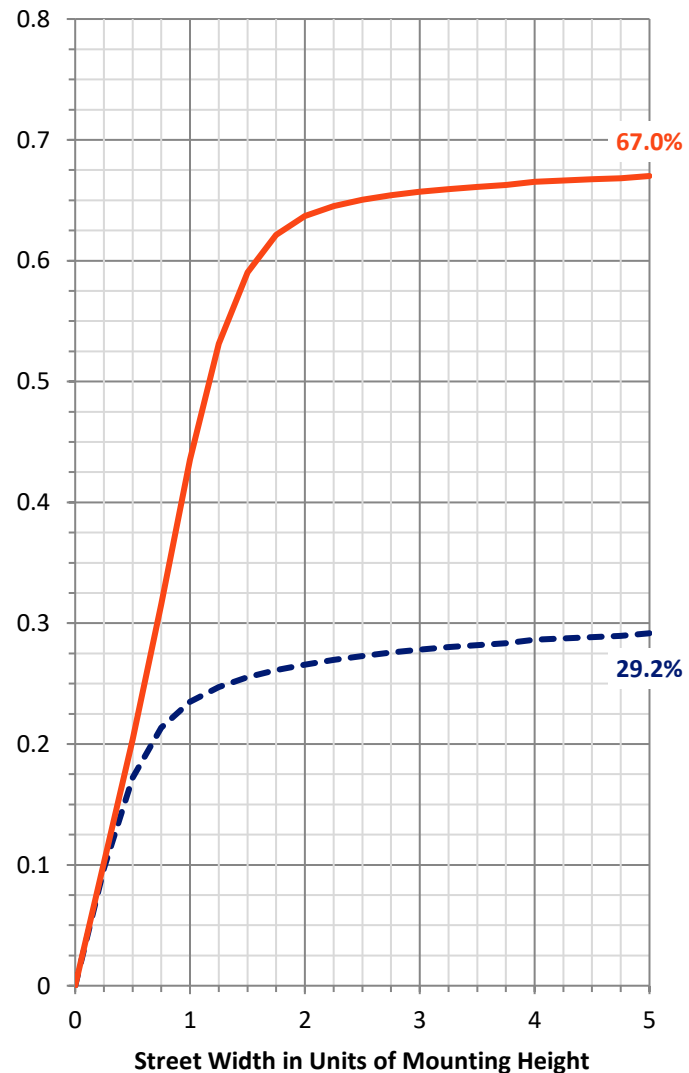
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1086.8	42.6	1129.5
	% Fixture	30.1	1.2	31.3
Street Side	Lumens	2442.8	41.2	2484.0
	% Fixture	67.6	1.1	68.7
Total	Lumens	3529.6	83.9	3613.5
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.5	1.0
10°-20°	86.7	2.4
20°-30°	153.8	4.3
30°-40°	324.0	9.0
40°-50°	605.8	16.8
50°-60°	839.0	23.2
60°-70°	809.1	22.4
70°-80°	531.9	14.7
80°-90°	141.8	3.9
90°-100°	58.1	1.6
100°-110°	12.7	0.4
110°-120°	5.5	0.2
120°-130°	4.0	0.1
130°-140°	1.8	0.0
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°	3529.6	97.7
0°-180°	3613.5	100.0



REPORT NUMBER: P560208

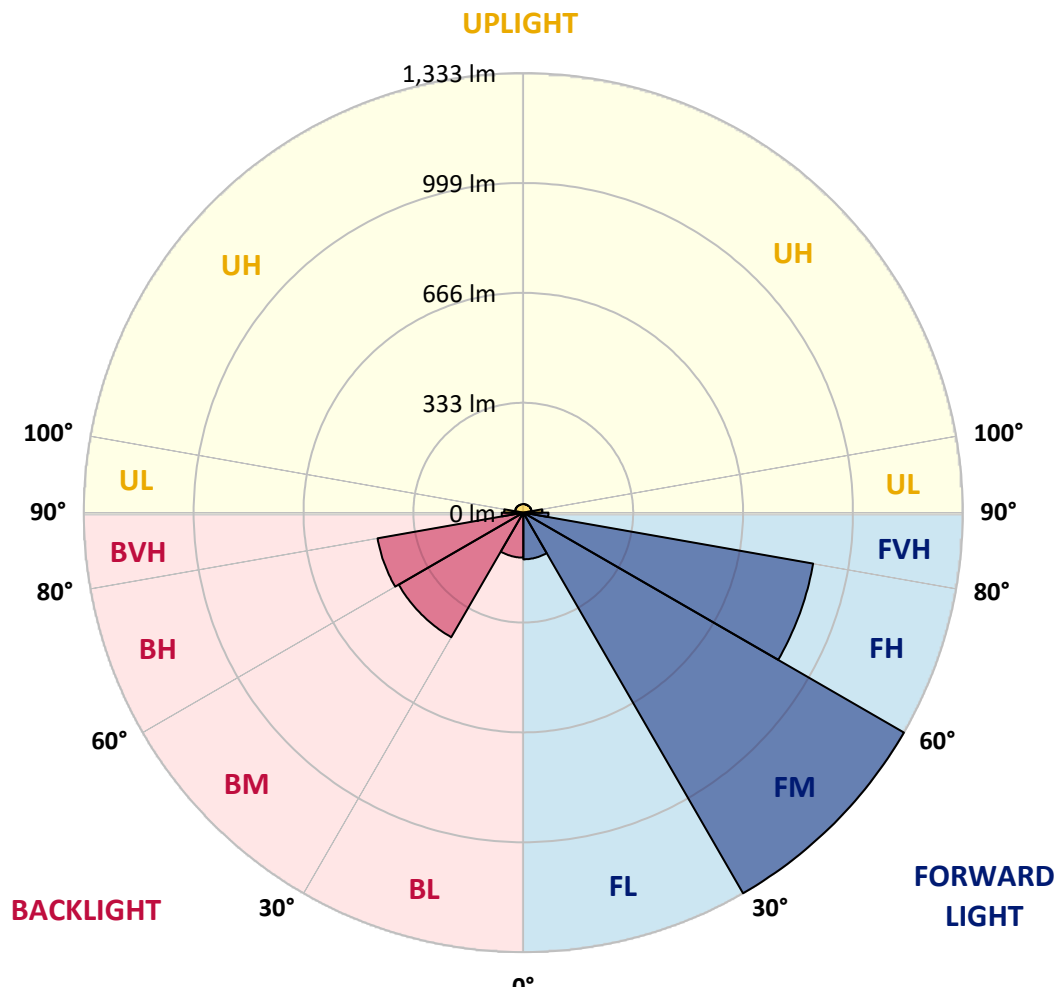
CATALOG NUMBER: SDL-PA1-30-740-U-T2U-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	141.6	3.9			
FM	(30°-60°)	1332.6	36.9			
FH	(60°-80°)	892.3	24.7			G1/1800
FVH	(80°-90°)	76.3	2.1			G1/100
BL	(0°-30°)	136.4	3.8	B1/500		
BM	(30°-60°)	436.3	12.1	B1/1000		
BH	(60°-80°)	448.7	12.4	B1/500		G1/500
BVH	(80°-90°)	65.5	1.8			G1/100
UL	(90°-100°)	58.1	1.6		U3/500	
UH	(100°-180°)	25.7	0.7		U2/50	

BUG Rating: B1-U3-G1

Type II Medium





REPORT NUMBER: P560208

CATALOG NUMBER: SDL-PA1-30-740-U-T2U-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	467.6	467.6	467.6	467.6	467.6	467.6	467.6	467.6	467.6	467.6	467.6
2.5°	390.4	422.1	412.5	442.8	449.7	456.6	458.0	459.4	458.0	459.4	462.1
5°	368.3	369.7	371.1	373.8	373.8	376.6	382.1	440.0	445.6	449.7	455.2
7.5°	307.6	321.4	347.6	357.3	361.4	366.9	369.7	369.7	375.2	389.0	398.7
10°	342.1	339.3	340.7	342.1	322.8	318.7	289.7	285.5	289.7	299.3	344.9
12.5°	286.9	300.7	329.7	336.6	313.1	277.3	273.1	278.7	277.3	249.7	292.4
15°	332.5	331.1	328.3	322.8	262.1	274.5	235.9	238.6	267.6	286.9	326.9
17.5°	289.7	288.3	326.9	315.9	275.9	213.8	269.0	249.7	273.1	252.4	270.4
20°	360.0	358.7	354.5	263.5	281.4	284.2	260.7	241.4	281.4	291.1	328.3
22.5°	326.9	326.9	353.1	346.2	285.5	300.7	248.3	293.8	263.5	267.6	248.3
25°	449.7	445.6	440.0	321.4	343.5	275.9	307.6	270.4	314.5	340.7	357.3
27.5°	435.9	427.6	422.1	426.3	344.9	361.4	304.9	336.6	362.8	373.8	416.6
30°	612.5	601.4	584.9	446.9	429.0	369.7	368.3	416.6	459.4	493.8	517.3
32.5°	780.8	783.5	698.0	600.1	474.5	493.8	438.7	488.3	502.1	538.0	551.8
35°	1001.5	973.9	920.1	749.1	578.0	558.7	510.4	557.3	571.1	605.6	613.9
37.5°	1175.3	1176.7	1093.9	900.8	692.5	675.9	591.8	640.1	664.9	703.5	689.7
40°	1342.2	1349.1	1282.9	1056.7	837.3	791.8	689.7	746.3	780.8	804.2	780.8
42.5°	1491.2	1489.8	1444.3	1229.1	972.5	946.3	793.2	866.3	896.7	918.7	900.8
45°	1608.5	1604.3	1562.9	1369.8	1132.5	1168.4	928.4	1004.3	1036.0	1060.8	1016.7
47.5°	1648.5	1626.4	1608.5	1471.9	1281.5	1364.3	1095.3	1138.1	1175.3	1218.1	1146.3
50°	1605.7	1576.7	1583.6	1520.2	1407.1	1528.4	1274.6	1292.6	1338.1	1375.3	1269.1
52.5°	1427.7	1420.9	1459.5	1471.9	1460.9	1654.0	1476.0	1425.0	1514.7	1518.8	1396.0
55°	1193.2	1185.0	1276.0	1327.0	1409.8	1703.6	1647.1	1611.2	1669.2	1662.3	1509.1
57.5°	961.5	956.0	1038.7	1122.9	1266.3	1676.1	1767.1	1815.4	1844.3	1805.7	1614.0
60°	644.2	655.2	797.3	910.4	1036.0	1510.5	1812.6	2005.7	2019.5	1936.8	1724.3
62.5°	411.1	426.3	517.3	702.1	773.9	1226.3	1779.5	2175.4	2167.1	2055.4	1826.4
65°	263.5	269.0	313.1	475.9	554.5	812.5	1631.9	2291.3	2292.7	2161.6	1907.8
67.5°	184.8	186.2	206.9	296.6	383.5	462.1	1327.0	2258.2	2320.3	2197.5	1934.0
70°	165.5	166.9	172.4	201.4	291.1	286.9	804.2	2018.2	2218.2	2150.6	1894.0
72.5°	147.6	149.0	158.6	175.2	223.5	224.9	384.9	1607.1	1917.5	1983.7	1775.4
75°	122.8	125.5	136.6	164.2	172.4	189.0	258.0	1129.8	1509.1	1709.2	1634.7
77.5°	103.5	104.8	113.1	139.3	150.4	153.1	220.7	626.3	1042.9	1258.1	1440.2
80°	82.8	82.8	89.7	110.4	124.2	125.5	197.3	331.1	578.0	761.5	1001.5
82.5°	53.8	55.2	63.5	82.8	92.4	124.2	175.2	241.4	282.8	366.9	455.2
85°	34.5	34.5	40.0	46.9	55.2	95.2	154.5	200.0	211.1	230.4	206.9
87.5°	16.6	16.6	15.2	17.9	20.7	35.9	107.6	142.1	143.5	140.7	151.7
90°	13.8	13.8	11.0	12.4	13.8	19.3	81.4	139.3	137.9	143.5	157.3
92.5°	15.2	15.2	11.0	12.4	13.8	16.6	59.3	140.7	144.8	151.7	166.9
95°	16.6	16.6	11.0	11.0	12.4	15.2	37.2	121.4	146.2	153.1	172.4
97.5°	15.2	15.2	8.3	9.7	11.0	13.8	23.5	91.0	114.5	120.0	136.6
100°	13.8	13.8	6.9	8.3	9.7	11.0	15.2	46.9	49.7	37.2	52.4
102.5°	12.4	13.8	5.5	6.9	6.9	6.9	9.7	22.1	22.1	12.4	13.8
105°	12.4	13.8	5.5	5.5	4.1	5.5	5.5	8.3	9.7	6.9	11.0
107.5°	13.8	13.8	5.5	5.5	4.1	4.1	4.1	5.5	6.9	5.5	11.0



REPORT NUMBER: P560208

CATALOG NUMBER: SDL-PA1-30-740-U-T2U-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	8.3	8.3	4.1	5.5	2.8	2.8	2.8	4.1	5.5	6.9	15.2
115°	6.9	5.5	2.8	4.1	2.8	2.8	2.8	4.1	4.1	5.5	12.4
117.5°	6.9	5.5	2.8	2.8	1.4	2.8	2.8	4.1	4.1	5.5	11.0
120°	6.9	6.9	2.8	1.4	1.4	1.4	1.4	2.8	4.1	6.9	12.4
122.5°	8.3	6.9	2.8	2.8	1.4	1.4	1.4	2.8	4.1	6.9	12.4
125°	8.3	8.3	4.1	2.8	1.4	1.4	1.4	2.8	4.1	5.5	11.0
127.5°	8.3	6.9	4.1	2.8	1.4	1.4	1.4	1.4	2.8	4.1	9.7
130°	6.9	6.9	4.1	1.4	1.4	1.4	1.4	1.4	2.8	2.8	6.9
132.5°	5.5	5.5	4.1	1.4	1.4	1.4	1.4	1.4	1.4	2.8	5.5
135°	4.1	4.1	2.8	1.4	1.4	1.4	1.4	1.4	1.4	1.4	4.1
137.5°	2.8	2.8	2.8	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
140°	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
142.5°	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
145°	0.0	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	2.8	2.8	1.4	1.4	1.4	1.4	1.4	1.4
150°	2.8	2.8	5.5	4.1	2.8	1.4	2.8	1.4	1.4	1.4	1.4
152.5°	4.1	4.1	5.5	4.1	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°	0.0	0.0	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	1.4	1.4	1.4	1.4	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	467.6	467.6	467.6	467.6	467.6	467.6	467.6	467.6	467.6	467.6	467.6
2.5°	463.5	463.5	467.6	469.0	467.6	466.3	458.0	433.2	418.0	419.4	419.4
5°	456.6	458.0	462.1	437.3	406.9	409.7	413.8	415.2	415.2	418.0	418.0
7.5°	402.8	404.2	393.1	397.3	406.9	413.8	416.6	409.7	387.6	379.4	379.4
10°	349.0	349.0	310.4	311.8	322.8	343.5	408.3	415.2	422.1	423.5	422.1
12.5°	295.2	296.6	264.9	304.9	291.1	328.3	376.6	416.6	384.9	353.1	357.3
15°	329.7	332.5	298.0	262.1	269.0	324.2	281.4	386.3	389.0	389.0	389.0
17.5°	264.9	280.0	263.5	270.4	298.0	244.2	318.7	353.1	324.2	315.9	315.9
20°	329.7	329.7	300.7	260.7	275.9	317.3	282.8	314.5	369.7	369.7	368.3
22.5°	245.5	245.5	263.5	302.1	277.3	313.1	299.3	325.6	293.8	293.8	302.1
25°	354.5	350.4	320.0	267.6	315.9	289.7	300.7	284.2	332.5	336.6	333.8
27.5°	427.6	424.9	343.5	307.6	296.6	309.0	270.4	264.9	255.2	293.8	289.7
30°	506.3	499.4	449.7	371.1	325.6	260.7	244.2	253.8	281.4	282.8	281.4
32.5°	543.5	528.3	473.2	444.2	332.5	269.0	219.3	226.2	280.0	296.6	296.6
35°	594.5	578.0	515.9	484.2	331.1	237.3	194.5	219.3	252.4	253.8	253.8
37.5°	664.9	640.1	587.7	507.6	309.0	209.7	179.3	194.5	218.0	224.9	227.6
40°	746.3	714.6	667.7	522.8	277.3	176.6	160.0	179.3	197.3	191.7	191.7
42.5°	860.8	813.9	746.3	546.3	237.3	155.9	146.2	164.2	176.6	179.3	178.0
45°	968.4	910.4	838.7	554.5	193.1	140.7	136.6	155.9	168.3	164.2	164.2
47.5°	1089.8	1016.7	907.7	535.2	158.6	132.4	136.6	150.4	155.9	162.8	162.8
50°	1209.8	1131.2	1008.4	504.9	140.7	126.9	136.6	144.8	155.9	160.0	158.6
52.5°	1318.8	1249.8	1069.1	451.1	131.0	122.8	132.4	144.8	158.6	165.5	165.5
55°	1437.4	1367.1	1124.3	402.8	122.8	114.5	136.6	150.4	154.5	158.6	158.6
57.5°	1527.1	1471.9	1185.0	360.0	117.3	114.5	139.3	157.3	155.9	160.0	160.0
60°	1636.0	1587.8	1240.1	339.3	109.0	109.0	144.8	169.7	158.6	171.1	171.1
62.5°	1751.9	1723.0	1293.9	324.2	100.7	106.2	146.2	179.3	164.2	183.5	184.8
65°	1863.7	1869.2	1343.6	288.3	93.8	106.2	149.0	191.7	169.7	194.5	197.3
67.5°	1920.2	1965.7	1357.4	231.8	86.9	104.8	157.3	201.4	178.0	205.5	206.9
70°	1909.2	1968.5	1325.7	171.1	81.4	110.4	169.7	209.7	182.1	219.3	219.3
72.5°	1812.6	1855.4	1231.9	129.7	75.9	106.2	172.4	212.4	184.8	241.4	241.4
75°	1676.1	1631.9	1013.9	107.6	71.7	106.2	168.3	209.7	182.1	235.9	234.5
77.5°	1454.0	1306.4	699.4	95.2	67.6	102.1	157.3	204.2	173.8	219.3	222.1
80°	932.5	804.2	357.3	82.8	71.7	97.9	151.7	189.0	161.4	195.9	197.3
82.5°	424.9	357.3	162.8	73.1	70.4	88.3	137.9	168.3	140.7	166.9	165.5
85°	179.3	182.1	128.3	62.1	62.1	69.0	102.1	131.0	109.0	117.3	114.5
87.5°	139.3	133.8	88.3	37.2	40.0	30.3	66.2	93.8	71.7	75.9	74.5
90°	147.6	144.8	93.8	38.6	29.0	17.9	49.7	73.1	53.8	48.3	46.9
92.5°	157.3	155.9	104.8	41.4	29.0	15.2	42.8	59.3	38.6	33.1	31.7
95°	168.3	168.3	114.5	44.1	29.0	15.2	38.6	45.5	29.0	22.1	20.7
97.5°	133.8	136.6	97.9	45.5	27.6	15.2	34.5	37.2	22.1	12.4	12.4
100°	53.8	59.3	53.8	45.5	24.8	12.4	27.6	29.0	15.2	6.9	6.9
102.5°	12.4	15.2	37.2	40.0	19.3	8.3	17.9	17.9	9.7	4.1	4.1
105°	12.4	11.0	24.8	31.7	11.0	5.5	8.3	11.0	5.5	2.8	2.8
107.5°	12.4	12.4	11.0	15.2	5.5	4.1	4.1	4.1	2.8	2.8	2.8



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	16.6	15.2	6.9	5.5	4.1	4.1	2.8	2.8	4.1	13.8	13.8
115°	13.8	12.4	6.9	4.1	4.1	4.1	2.8	1.4	4.1	15.2	15.2
117.5°	12.4	11.0	6.9	4.1	2.8	4.1	2.8	1.4	4.1	15.2	15.2
120°	13.8	12.4	6.9	4.1	2.8	2.8	2.8	1.4	4.1	13.8	13.8
122.5°	13.8	13.8	8.3	2.8	2.8	1.4	2.8	1.4	4.1	12.4	12.4
125°	12.4	11.0	6.9	2.8	1.4	1.4	1.4	1.4	5.5	11.0	12.4
127.5°	11.0	9.7	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	8.3	6.9
132.5°	5.5	5.5	4.1	2.8	1.4	1.4	1.4	1.4	4.1	5.5	5.5
135°	4.1	4.1	2.8	1.4	1.4	1.4	1.4	1.4	2.8	4.1	4.1
137.5°	1.4	1.4	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	1.4	1.4	1.4	1.4	1.4
142.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	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	2.8	1.4	1.4	2.8	1.4	1.4	1.4
152.5°	1.4	1.4	1.4	2.8	1.4	1.4	1.4	1.4	4.1	4.1	2.8
155°	4.1	4.1	2.8	1.4	1.4	1.4	1.4	1.4	2.8	1.4	1.4
157.5°	1.4	1.4	1.4	1.4	1.4	0.0	1.4	0.0	0.0	1.4	0.0
160°	0.0	0.0	1.4	1.4	1.4	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° | 12.4 12.4 4.1 5.5 2.8 2.8 2.8 4.1 5.5 12.4



110°	13.8	12.4	5.5	5.5	4.1	4.1	2.8	2.8	1.4	8.3	9.7
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(END OF REPORT)