

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: P560451

Luminaire Tested: **SDL-PA1-40-827-U-T2U-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560451
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-PA1-40-827-U-T2U-HSS-A
Description: Springdale
(1) 80 CRI, 2700K, 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: 2477.5 lumens
Efficiency: N/A
Efficacy: 62.9 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 - U2 - 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



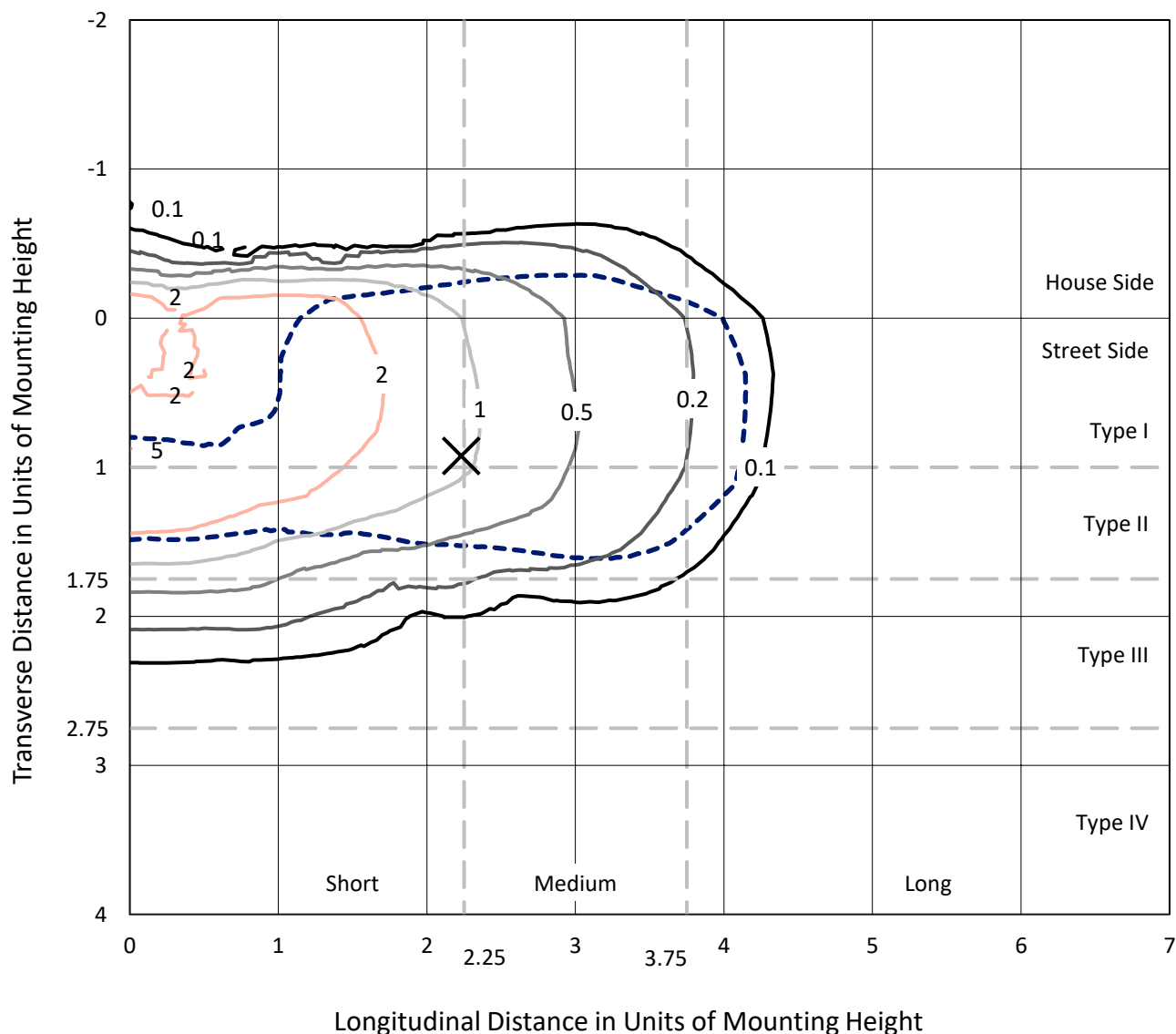
REPORT NUMBER: P560451

CATALOG NUMBER: SDL-PA1-40-827-U-T2U-HSS-A

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

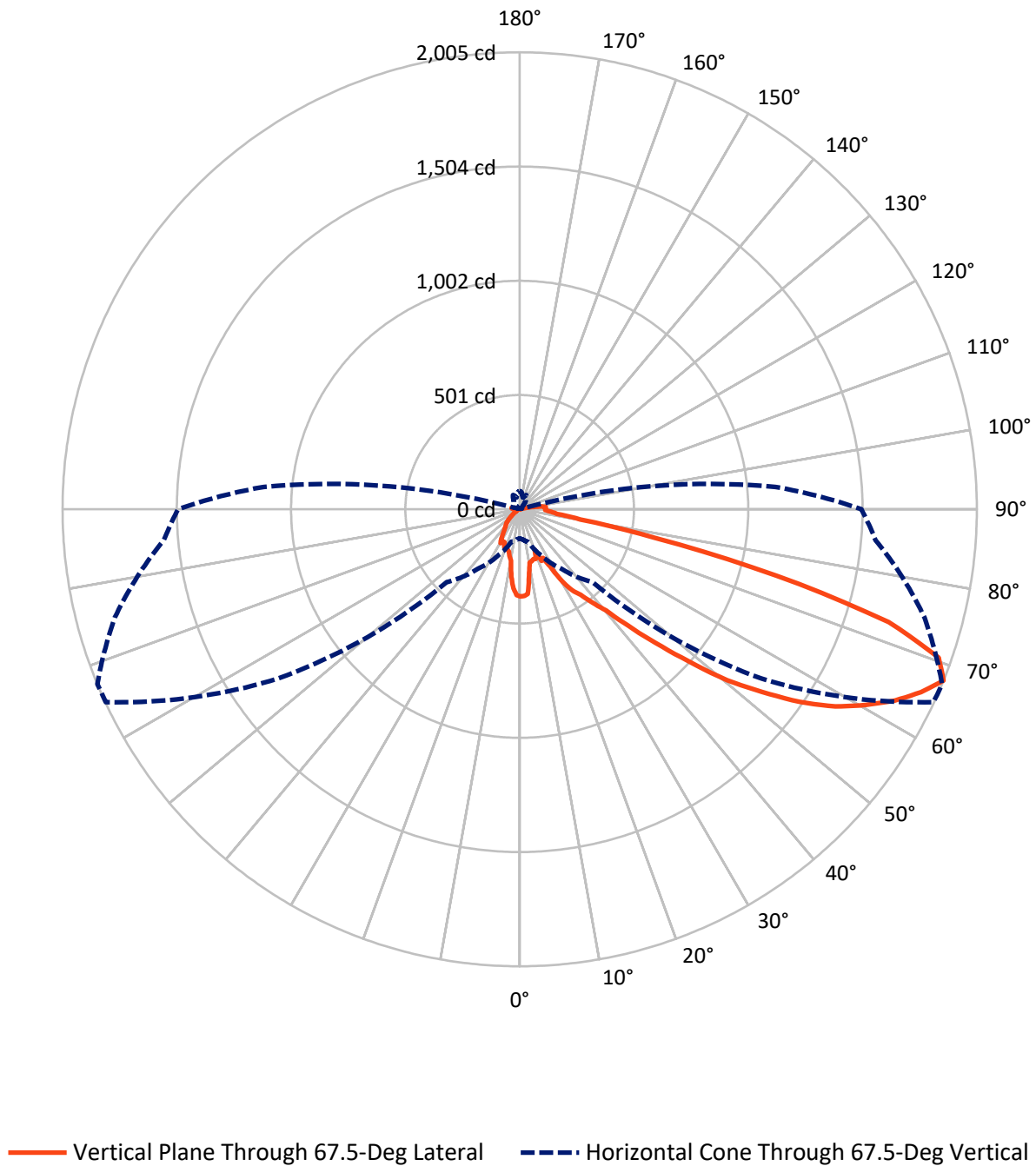


Based on 10 foot mounting height. Maximum calculated value = 5 fc
 Type II - Short - N/A

REPORT NUMBER: P560451

CATALOG NUMBER: SDL-PA1-40-827-U-T2U-HSS-A

Luminous Intensity Polar Plot



REPORT NUMBER: P560451

CATALOG NUMBER: SDL-PA1-40-827-U-T2U-HSS-A

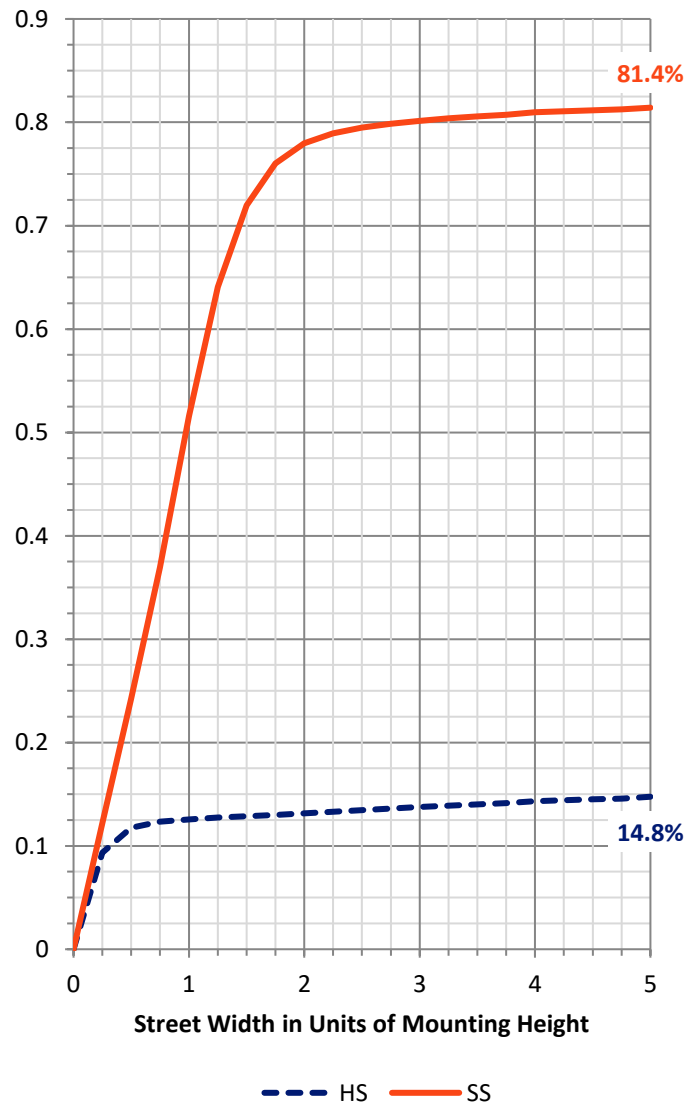
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	387.7	28.9	416.6
	% Fixture	15.6	1.2	16.8
Street Side	Lumens	2030.3	30.7	2061.0
	% Fixture	81.9	1.2	83.2
Total	Lumens	2418.0	59.5	2477.5
	% Fixture	97.6	2.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.4	1.2
10°-20°	56.0	2.3
20°-30°	84.5	3.4
30°-40°	194.6	7.9
40°-50°	433.8	17.5
50°-60°	645.5	26.1
60°-70°	575.7	23.2
70°-80°	323.1	13.0
80°-90°	75.4	3.0
90°-100°	41.4	1.7
100°-110°	9.5	0.4
110°-120°	3.7	0.2
120°-130°	2.5	0.1
130°-140°	1.3	0.1
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°	2418.0	97.6
0°-180°	2477.5	100.0

Coefficient of Utilization



REPORT NUMBER: P560451

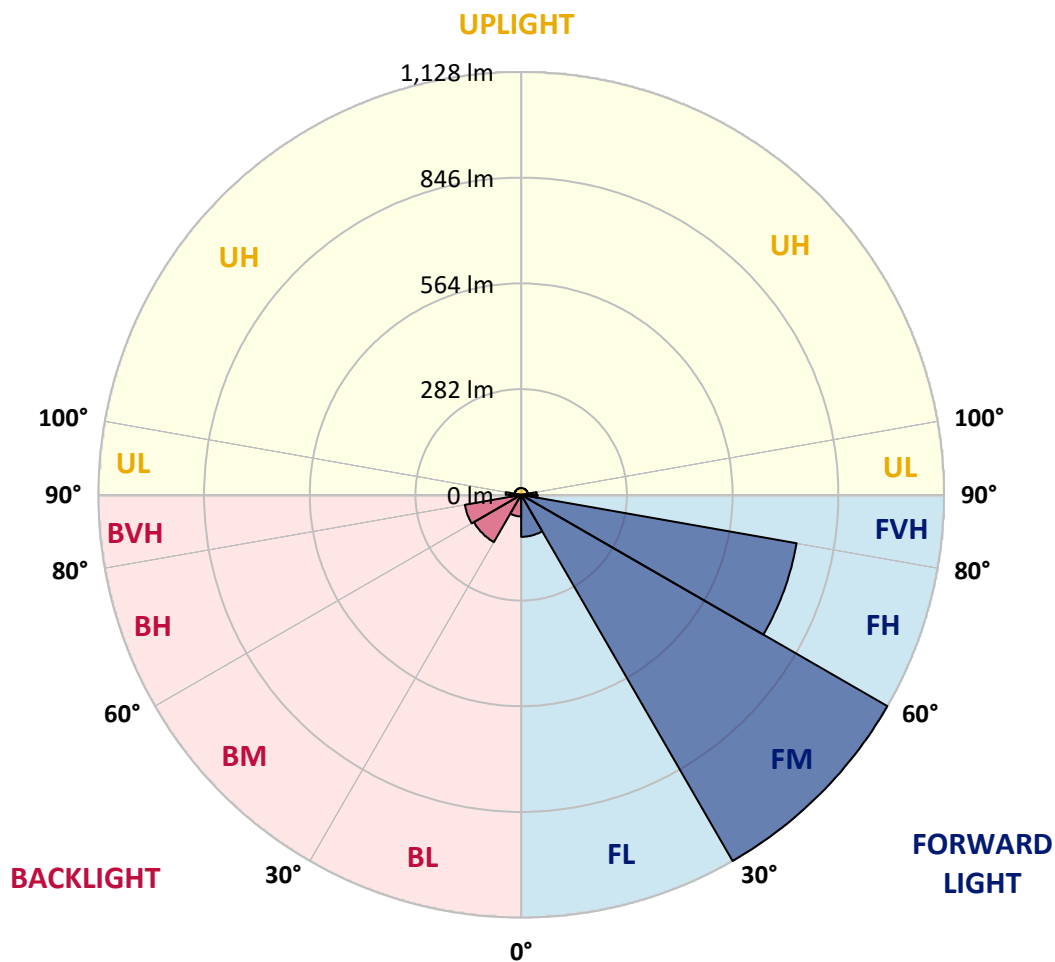
CATALOG NUMBER: SDL-PA1-40-827-U-T2U-HSS-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	112.1	4.5			
FM	(30°-60°)	1128.1	45.5			
FH	(60°-80°)	746.3	30.1			G1/1800
FVH	(80°-90°)	43.8	1.8			G1/100
BL	(0°-30°)	57.8	2.3	B0/110		
BM	(30°-60°)	145.7	5.9	B0/220		
BH	(60°-80°)	152.5	6.2	B1/500		G1/500
BVH	(80°-90°)	31.6	1.3			G1/100
UL	(90°-100°)	41.4	1.7		U2/50	
UH	(100°-180°)	18.1	0.7		U2/50	

BUG Rating: B1-U2-G1

Type II Short



REPORT NUMBER: P560451

CATALOG NUMBER: SDL-PA1-40-827-U-T2U-HSS-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67.5°	75°	85°
0°	382.2	382.2	382.2	382.2	382.2	382.2	382.2	382.2	382.2	382.2	382.2
2.5°	324.0	342.5	362.4	375.6	378.2	382.2	382.2	380.9	380.9	379.5	379.5
5°	314.7	313.4	314.7	317.4	316.1	316.1	316.1	369.0	372.9	375.6	375.6
7.5°	271.1	277.7	298.9	306.8	309.5	312.1	312.1	308.1	293.6	325.3	329.3
10°	294.9	293.6	293.6	296.2	276.4	268.5	242.0	238.0	238.0	248.6	283.0
12.5°	247.3	261.8	281.7	289.6	267.1	236.7	230.1	235.4	234.1	205.0	239.4
15°	280.4	280.4	277.7	272.4	210.3	235.4	198.4	198.4	226.1	243.3	273.8
17.5°	227.5	234.1	267.1	263.2	231.4	177.2	231.4	212.9	228.8	214.2	230.1
20°	279.0	277.7	279.0	212.9	235.4	243.3	231.4	207.6	189.1	248.6	275.1
22.5°	230.1	227.5	240.7	263.2	222.2	252.6	211.6	252.6	246.0	220.9	198.4
25°	297.6	296.2	298.9	232.8	260.5	226.1	260.5	226.1	236.7	283.0	289.6
27.5°	268.5	267.1	263.2	284.3	247.3	285.7	246.0	276.4	284.3	306.8	355.7
30°	378.2	372.9	359.7	285.7	290.9	275.1	290.9	339.9	366.3	411.3	425.8
32.5°	551.5	523.7	436.4	378.2	308.1	351.8	329.3	399.4	424.5	447.0	458.9
35°	712.8	700.9	637.4	499.9	375.6	388.8	371.6	447.0	461.5	509.1	506.5
37.5°	933.7	913.8	816.0	645.4	472.1	466.8	423.2	509.1	519.7	588.5	575.3
40°	1099.0	1083.1	1006.4	801.4	600.4	554.1	494.6	595.1	583.2	675.8	657.3
42.5°	1257.7	1248.4	1188.9	979.9	741.9	689.0	568.7	700.9	698.3	778.9	763.1
45°	1385.9	1375.4	1337.0	1140.0	904.6	905.9	685.0	817.3	835.8	912.5	871.5
47.5°	1461.3	1438.8	1411.1	1266.9	1068.6	1113.5	857.0	949.5	994.5	1060.6	998.5
50°	1444.1	1421.7	1424.3	1347.6	1219.3	1292.0	1040.8	1089.7	1179.6	1231.2	1108.2
52.5°	1306.6	1293.4	1337.0	1333.0	1296.0	1456.0	1255.0	1241.8	1330.4	1364.8	1220.6
55°	1110.9	1092.4	1174.3	1232.5	1296.0	1557.9	1453.4	1411.1	1491.7	1486.5	1297.3
57.5°	843.7	850.3	942.9	1034.2	1190.2	1577.7	1600.2	1594.9	1631.9	1587.0	1358.2
60°	576.6	580.6	711.5	814.6	976.0	1473.2	1647.8	1747.0	1743.0	1671.6	1426.9
62.5°	362.4	361.0	460.2	622.9	702.2	1199.5	1629.3	1862.0	1847.5	1735.1	1479.8
65°	208.9	214.2	249.9	412.6	488.0	818.6	1522.2	1974.4	1933.4	1791.9	1536.7
67.5°	128.3	132.2	149.4	223.5	318.7	452.3	1294.7	2002.2	2004.9	1838.2	1567.1
70°	108.4	109.8	117.7	137.5	222.2	253.9	871.5	1872.6	1949.3	1848.8	1557.9
72.5°	91.3	92.6	104.5	120.3	165.3	179.9	391.4	1547.3	1692.8	1768.1	1490.4
75°	67.4	68.8	86.0	109.8	120.3	144.1	214.2	1024.9	1162.4	1397.8	1270.9
77.5°	43.6	45.0	60.8	88.6	101.8	113.7	173.2	478.7	605.7	808.0	802.7
80°	29.1	29.1	35.7	62.2	80.7	92.6	150.8	236.7	269.8	333.3	312.1
82.5°	18.5	18.5	22.5	38.4	51.6	92.6	141.5	169.3	164.0	166.6	148.1
85°	7.9	7.9	11.9	21.2	27.8	60.8	127.0	145.5	138.9	138.9	132.2
87.5°	2.6	2.6	4.0	6.6	9.3	18.5	97.9	116.4	112.4	116.4	125.6
90°	2.6	2.6	1.3	2.6	2.6	13.2	79.3	115.1	112.4	117.7	129.6
92.5°	4.0	4.0	1.3	1.3	2.6	10.6	62.2	119.0	115.1	123.0	134.9
95°	6.6	6.6	2.6	1.3	4.0	9.3	38.4	105.8	115.1	121.7	137.5
97.5°	7.9	7.9	2.6	2.6	4.0	7.9	19.8	86.0	88.6	92.6	108.4
100°	10.6	10.6	2.6	2.6	2.6	6.6	10.6	45.0	46.3	33.1	52.9
102.5°	10.6	10.6	2.6	2.6	2.6	4.0	5.3	19.8	18.5	6.6	6.6
105°	11.9	11.9	4.0	2.6	2.6	2.6	2.6	6.6	6.6	4.0	7.9
107.5°	11.9	11.9	4.0	4.0	2.6	2.6	1.3	2.6	4.0	4.0	7.9
110°	9.3	9.3	4.0	4.0	2.6	1.3	1.3	1.3	2.6	4.0	9.3

REPORT NUMBER: P560451

CATALOG NUMBER: SDL-PA1-40-827-U-T2U-HSS-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	67.5°	75°	85°
112.5°	6.6	6.6	2.6	4.0	2.6	1.3	1.3	1.3	2.6	5.3	13.2
115°	2.6	2.6	1.3	2.6	1.3	1.3	1.3	2.6	2.6	4.0	10.6
117.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.6	1.3	4.0	9.3
120°	1.3	1.3	0.0	1.3	1.3	1.3	1.3	1.3	1.3	5.3	9.3
122.5°	1.3	1.3	1.3	1.3	1.3	0.0	1.3	1.3	1.3	5.3	9.3
125°	1.3	1.3	1.3	1.3	1.3	0.0	1.3	1.3	1.3	4.0	7.9
127.5°	1.3	1.3	1.3	1.3	1.3	0.0	1.3	1.3	1.3	2.6	7.9
130°	1.3	1.3	1.3	1.3	1.3	0.0	1.3	1.3	1.3	2.6	5.3
132.5°	1.3	1.3	1.3	1.3	1.3	0.0	1.3	1.3	1.3	2.6	4.0
135°	1.3	1.3	1.3	1.3	1.3	0.0	1.3	1.3	1.3	1.3	2.6
137.5°	1.3	1.3	1.3	1.3	1.3	0.0	1.3	1.3	1.3	1.3	1.3
140°	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
142.5°	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
145°	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
147.5°	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
150°	1.3	1.3	2.6	2.6	1.3	0.0	2.6	1.3	1.3	1.3	1.3
152.5°	2.6	2.6	2.6	2.6	1.3	0.0	1.3	2.6	1.3	1.3	1.3
155°	2.6	2.6	1.3	1.3	1.3	0.0	1.3	1.3	1.3	2.6	4.0
157.5°	0.0	0.0	0.0	0.0	1.3	0.0	1.3	1.3	0.0	0.0	1.3
160°	0.0	0.0	0.0	0.0	1.3	0.0	1.3	1.3	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 NUMBER: P560451

CATALOG NUMBER: SDL-PA1-40-827-U-T2U-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	382.2	382.2	382.2	382.2	382.2	382.2	382.2	382.2	382.2	382.2	382.2
2.5°	378.2	378.2	376.9	376.9	372.9	371.6	354.4	335.9	321.4	322.7	322.7
5°	374.3	371.6	367.6	341.2	308.1	302.8	302.8	300.2	298.9	300.2	300.2
7.5°	326.6	324.0	308.1	294.9	296.2	293.6	288.3	287.0	264.5	242.0	240.7
10°	281.7	277.7	235.4	226.1	224.8	234.1	256.6	248.6	240.7	231.4	235.4
12.5°	235.4	234.1	195.7	216.9	189.1	194.4	199.7	191.8	164.0	132.2	136.2
15°	272.4	268.5	222.2	179.9	161.3	162.7	107.1	103.2	83.3	75.4	71.4
17.5°	202.3	222.2	194.4	179.9	162.7	84.6	68.8	52.9	47.6	38.4	39.7
20°	271.1	265.8	222.2	168.0	125.6	71.4	38.4	30.4	37.0	38.4	38.4
22.5°	191.8	186.5	187.8	178.5	88.6	41.0	29.1	30.4	27.8	26.4	26.4
25°	281.7	272.4	227.5	136.2	66.1	26.4	27.8	21.2	25.1	25.1	25.1
27.5°	342.5	310.8	239.4	132.2	37.0	26.4	19.8	21.2	17.2	17.2	17.2
30°	410.0	391.4	313.4	123.0	29.1	21.2	18.5	14.5	15.9	15.9	15.9
32.5°	440.4	415.3	313.4	97.9	25.1	19.8	14.5	13.2	13.2	14.5	14.5
35°	484.0	457.6	312.1	64.8	21.2	15.9	11.9	11.9	11.9	11.9	11.9
37.5°	550.1	511.8	317.4	41.0	17.2	13.2	9.3	10.6	10.6	22.5	22.5
40°	624.2	580.6	302.8	29.1	14.5	10.6	7.9	13.2	18.5	19.8	19.8
42.5°	718.1	670.5	281.7	25.1	13.2	7.9	6.6	10.6	15.9	25.1	25.1
45°	830.5	759.1	252.6	22.5	10.6	6.6	6.6	13.2	19.8	23.8	23.8
47.5°	931.0	845.1	202.3	21.2	9.3	5.3	9.3	14.5	17.2	27.8	27.8
50°	1048.7	935.0	154.7	18.5	7.9	5.3	14.5	15.9	19.8	25.1	25.1
52.5°	1136.0	1010.4	117.7	17.2	7.9	4.0	14.5	14.5	22.5	29.1	29.1
55°	1206.1	1051.4	84.6	14.5	6.6	4.0	17.2	18.5	19.8	22.5	22.5
57.5°	1260.3	1080.5	66.1	13.2	6.6	9.3	21.2	23.8	21.2	22.5	22.5
60°	1322.5	1095.0	48.9	11.9	5.3	9.3	25.1	31.7	23.8	34.4	33.1
62.5°	1379.3	1105.6	39.7	11.9	5.3	10.6	27.8	39.7	31.7	46.3	47.6
65°	1450.7	1118.8	33.1	9.3	5.3	14.5	33.1	52.9	42.3	60.8	63.5
67.5°	1498.4	1126.7	27.8	9.3	5.3	17.2	46.3	68.8	52.9	76.7	79.3
70°	1503.6	1097.6	22.5	9.3	5.3	26.4	63.5	83.3	66.1	97.9	99.2
72.5°	1434.9	1014.3	18.5	10.6	5.3	29.1	74.1	96.5	78.0	129.6	130.9
75°	1159.8	711.5	17.2	10.6	5.3	37.0	80.7	105.8	87.3	134.9	137.5
77.5°	712.8	329.3	15.9	11.9	7.9	41.0	82.0	112.4	91.3	134.9	138.9
80°	276.4	162.7	14.5	13.2	18.5	46.3	88.6	113.7	91.3	125.6	130.9
82.5°	128.3	95.2	14.5	14.5	23.8	47.6	87.3	105.8	84.6	112.4	111.1
85°	115.1	93.9	15.9	15.9	25.1	41.0	68.8	89.9	72.7	88.6	88.6
87.5°	112.4	92.6	17.2	19.8	25.1	23.8	52.9	76.7	62.2	66.1	66.1
90°	115.1	96.5	18.5	22.5	21.2	13.2	42.3	63.5	47.6	42.3	41.0
92.5°	123.0	97.9	22.5	26.4	19.8	10.6	35.7	51.6	34.4	27.8	26.4
95°	129.6	100.5	27.8	31.7	21.2	9.3	31.7	41.0	25.1	17.2	15.9
97.5°	108.4	78.0	31.7	34.4	21.2	9.3	27.8	33.1	19.8	9.3	9.3
100°	46.3	34.4	33.1	37.0	19.8	7.9	23.8	26.4	13.2	4.0	5.3
102.5°	9.3	10.6	29.1	34.4	15.9	5.3	15.9	15.9	9.3	1.3	2.6
105°	9.3	7.9	18.5	29.1	9.3	2.6	6.6	9.3	4.0	1.3	1.3
107.5°	9.3	9.3	6.6	14.5	4.0	2.6	2.6	4.0	2.6	1.3	1.3
110°	10.6	9.3	2.6	4.0	2.6	2.6	2.6	2.6	1.3	6.6	7.9

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CATALOG NUMBER: SDL-PA1-40-827-U-T2U-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	13.2	11.9	2.6	4.0	4.0	2.6	1.3	1.3	2.6	9.3	10.6
115°	11.9	10.6	4.0	4.0	2.6	2.6	1.3	1.3	2.6	10.6	11.9
117.5°	9.3	9.3	4.0	2.6	2.6	2.6	1.3	1.3	2.6	10.6	10.6
120°	10.6	9.3	4.0	2.6	1.3	1.3	1.3	1.3	2.6	7.9	7.9
122.5°	10.6	9.3	4.0	2.6	1.3	1.3	1.3	1.3	2.6	7.9	9.3
125°	9.3	7.9	4.0	2.6	1.3	1.3	1.3	1.3	4.0	7.9	7.9
127.5°	7.9	6.6	2.6	1.3	1.3	1.3	1.3	1.3	4.0	6.6	6.6
130°	5.3	5.3	2.6	1.3	1.3	1.3	1.3	1.3	4.0	5.3	5.3
132.5°	4.0	4.0	2.6	1.3	1.3	1.3	1.3	1.3	2.6	5.3	5.3
135°	4.0	2.6	2.6	1.3	1.3	1.3	1.3	1.3	2.6	4.0	4.0
137.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.6	2.6
140°	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	1.3	1.3
142.5°	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	1.3	1.3
145°	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	1.3	1.3
147.5°	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	1.3	1.3
150°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	1.3	1.3
152.5°	1.3	1.3	2.6	1.3	1.3	0.0	0.0	0.0	0.0	1.3	1.3
155°	4.0	4.0	4.0	1.3	1.3	0.0	0.0	0.0	0.0	1.3	1.3
157.5°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	1.3	1.3	1.3	1.3	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

(END OF REPORT)