

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: P560226

Luminaire Tested: **SDL-PA1-30-750-U-T2R-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560226
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-19)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-30-750-U-T2R-A
Description: Springdale
(1) 70 CRI, 5000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE II R OPTICS
AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3116.7 lumens
Efficiency: N/A
Efficacy: 103.5 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 - U2 - 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



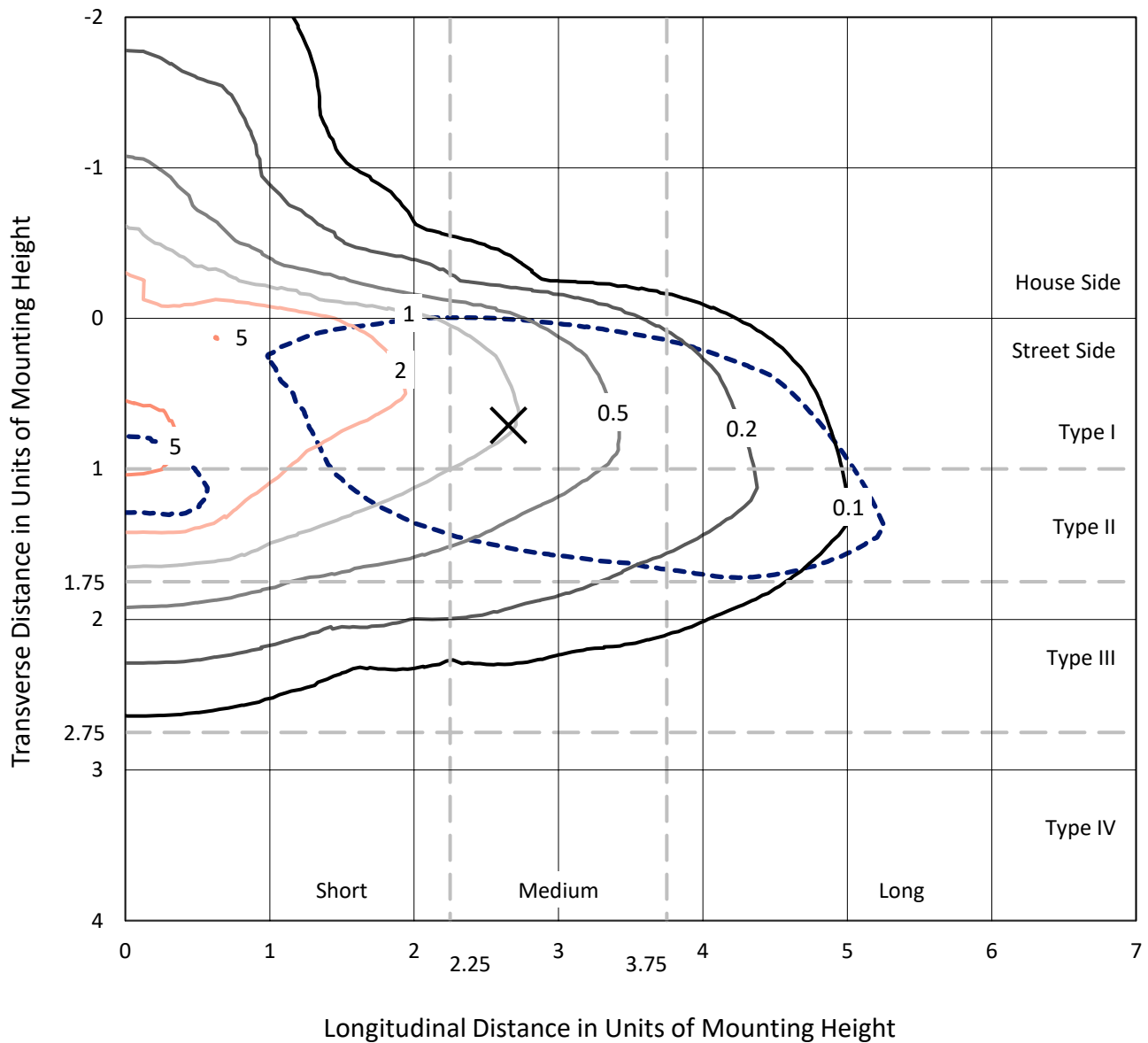
REPORT NUMBER: P560226

CATALOG NUMBER: SDL-PA1-30-750-U-T2R-A

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

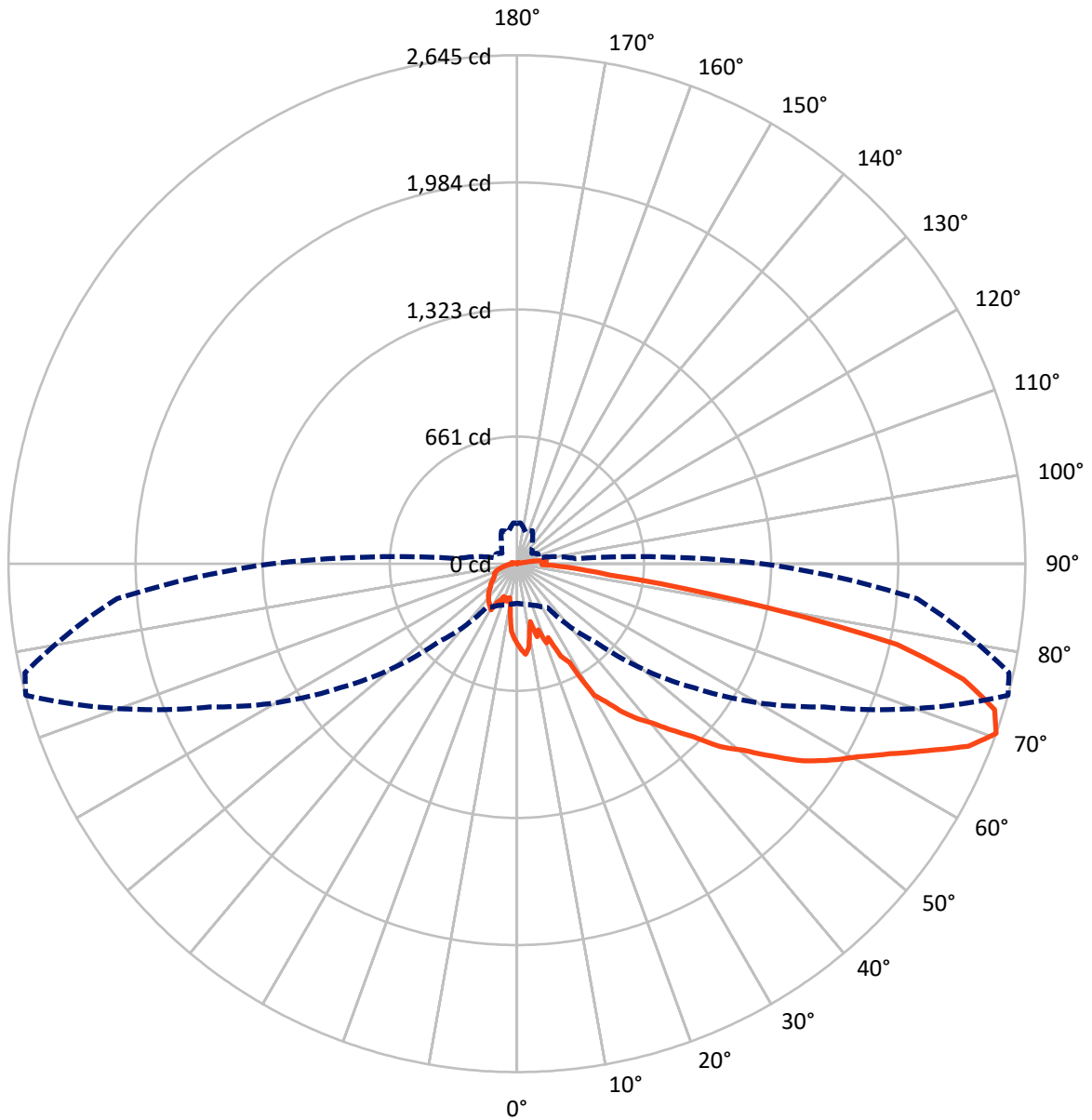


Based on 10 foot mounting height. Maximum calculated value = 6.5 fc
Type II - Medium - N/A

REPORT NUMBER: P560226

CATALOG NUMBER: SDL-PA1-30-750-U-T2R-A

Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P560226

CATALOG NUMBER: SDL-PA1-30-750-U-T2R-A

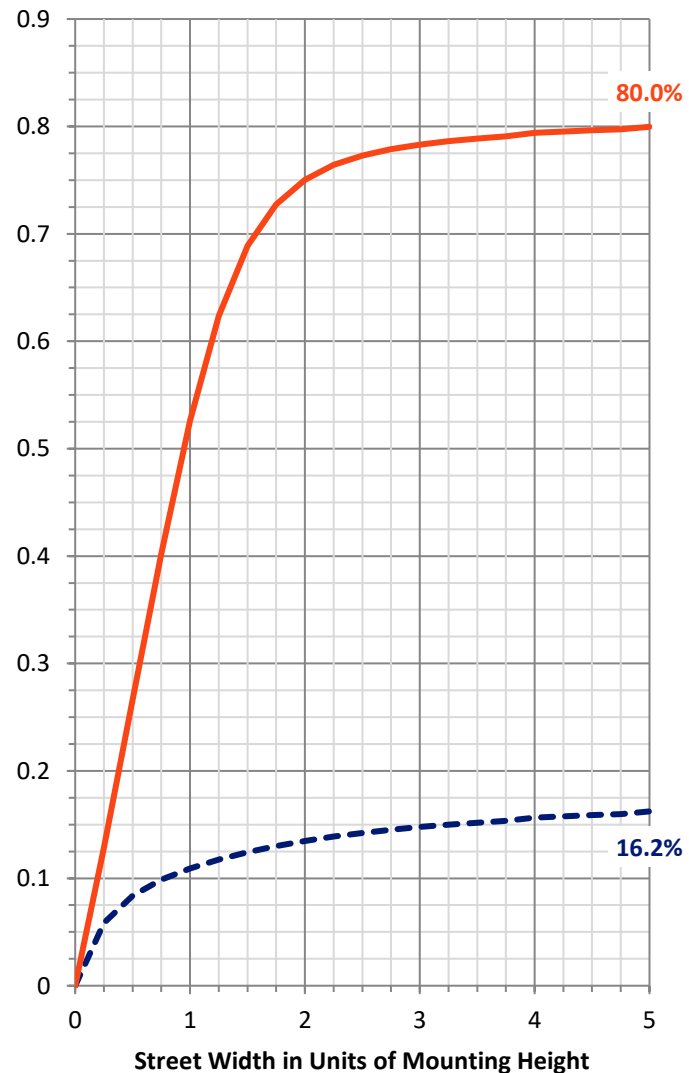
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	532.8	31.8	564.7
	% Fixture	17.1	1.0	18.1
Street Side	Lumens	2511.7	40.3	2552.0
	% Fixture	80.6	1.3	81.9
Total	Lumens	3044.6	72.1	3116.7
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.8	1.1
10°-20°	90.9	2.9
20°-30°	164.1	5.3
30°-40°	335.4	10.8
40°-50°	526.7	16.9
50°-60°	646.7	20.7
60°-70°	643.2	20.6
70°-80°	475.7	15.3
80°-90°	127.1	4.1
90°-100°	47.0	1.5
100°-110°	11.0	0.4
110°-120°	5.2	0.2
120°-130°	4.6	0.1
130°-140°	2.2	0.1
140°-150°	1.1	0.0
150°-160°	1.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3044.6	97.7
0°-180°	3116.7	100.0



REPORT NUMBER: P560226

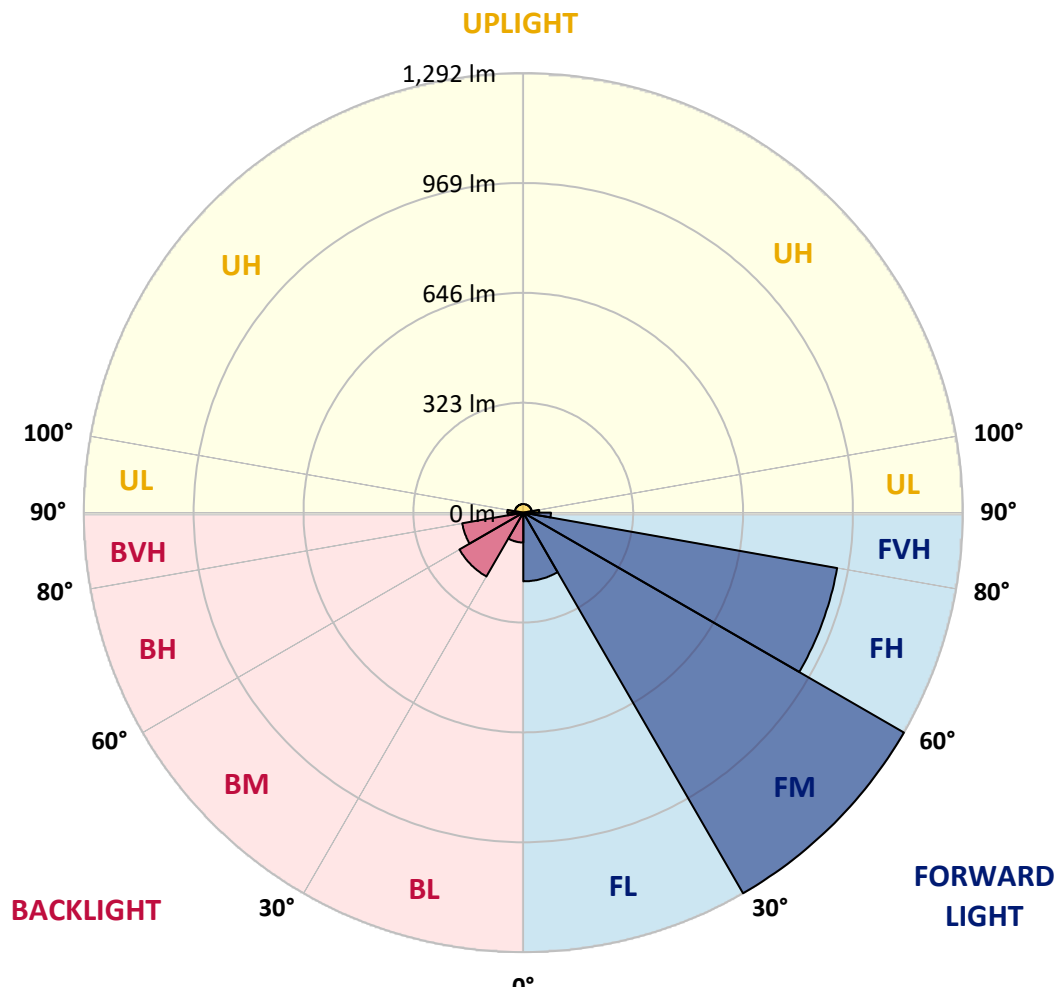
CATALOG NUMBER: SDL-PA1-30-750-U-T2R-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	202.0	6.5			
FM	(30°-60°)	1291.9	41.5			
FH	(60°-80°)	936.7	30.1			G1/1800
FVH	(80°-90°)	81.1	2.6			G1/100
BL	(0°-30°)	87.8	2.8	B0/110		
BM	(30°-60°)	216.8	7.0	B0/220		
BH	(60°-80°)	182.3	5.8	B1/500		G1/500
BVH	(80°-90°)	46.0	1.5			G1/100
UL	(90°-100°)	47.0	1.5		U2/50	
UH	(100°-180°)	25.2	0.8		U2/50	

BUG Rating: B1-U2-G1

Type II Medium



REPORT NUMBER: P560226

CATALOG NUMBER: SDL-PA1-30-750-U-T2R-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	417.8	417.8	417.8	417.8	417.8	417.8	417.8	417.8	417.8	417.8	417.8
2.5°	433.6	458.0	468.9	481.1	492.1	486.0	476.2	461.6	448.2	443.3	428.7
5°	478.7	476.2	475.0	471.4	465.3	454.3	440.9	493.3	472.6	464.0	439.7
7.5°	421.4	488.4	495.7	503.0	500.6	487.2	470.1	422.6	440.9	429.9	399.5
10°	515.2	515.2	512.8	515.2	487.2	465.3	398.3	370.3	356.9	386.1	358.1
12.5°	438.5	477.4	526.2	535.9	493.3	432.4	404.4	391.0	308.1	304.5	326.4
15°	510.3	516.4	517.6	520.1	420.2	453.1	373.9	347.1	393.4	382.4	386.1
17.5°	410.5	416.5	495.7	490.8	451.9	361.7	437.3	392.2	361.7	348.3	343.5
20°	516.4	517.6	514.0	415.3	436.0	472.6	409.2	397.1	440.9	439.7	421.4
22.5°	439.7	440.9	454.3	500.6	450.6	477.4	411.7	495.7	417.8	419.0	325.2
25°	588.3	589.5	577.3	445.8	506.7	448.2	499.4	445.8	533.5	516.4	476.2
27.5°	617.5	572.4	526.2	553.0	483.5	556.6	475.0	539.6	579.8	576.1	582.2
30°	783.2	785.6	753.9	605.3	566.4	549.3	548.1	640.7	794.1	800.2	699.1
32.5°	1060.9	1046.2	890.3	746.6	610.2	669.9	615.1	741.7	858.7	855.0	749.1
35°	1187.5	1172.9	1114.4	922.0	705.2	723.5	694.2	789.2	947.6	919.6	799.0
37.5°	1294.7	1292.3	1243.5	1015.8	801.4	828.2	741.7	847.7	1024.3	995.1	850.1
40°	1387.3	1378.7	1336.1	1099.8	900.1	901.3	801.4	918.4	1092.5	1099.8	900.1
42.5°	1464.0	1456.7	1421.4	1183.9	958.5	965.9	864.8	990.2	1183.9	1197.3	978.0
45°	1495.7	1499.3	1475.0	1259.4	1010.9	1024.3	940.3	1063.3	1281.3	1292.3	1047.5
47.5°	1518.8	1520.0	1513.9	1321.5	1066.9	1073.0	1014.6	1129.1	1422.6	1400.7	1129.1
50°	1466.4	1461.6	1467.7	1369.0	1115.7	1123.0	1076.7	1197.3	1523.7	1495.7	1214.3
52.5°	1328.8	1334.9	1398.2	1344.6	1131.5	1146.1	1135.1	1256.9	1663.7	1641.8	1336.1
55°	982.9	1009.7	1192.4	1244.8	1130.3	1155.9	1188.7	1370.2	1811.1	1778.2	1439.6
57.5°	795.3	795.3	902.5	1074.3	1068.2	1149.8	1243.5	1446.9	1928.0	1904.9	1543.2
60°	638.2	638.2	696.7	852.6	947.6	1119.3	1299.6	1560.2	2038.9	2025.5	1634.5
62.5°	500.6	499.4	548.1	635.8	777.1	1052.3	1328.8	1657.7	2177.7	2175.3	1780.7
65°	361.7	366.6	408.0	462.8	610.2	926.9	1327.6	1745.4	2344.6	2351.9	1945.1
67.5°	268.0	270.4	293.5	333.7	419.0	768.5	1269.1	1806.3	2533.4	2521.2	2049.8
70°	205.8	209.5	219.2	239.9	278.9	571.2	1127.8	1763.6	2645.4	2622.3	2088.8
72.5°	173.0	174.2	173.0	183.9	186.3	387.3	903.7	1601.6	2599.2	2562.6	1981.6
75°	147.4	146.2	144.9	147.4	137.6	255.8	648.0	1355.6	2399.4	2336.1	1750.2
77.5°	126.7	125.5	120.6	121.8	109.6	188.8	442.1	1063.3	2021.8	1873.2	1315.4
80°	104.7	104.7	101.1	101.1	92.6	143.7	282.6	733.2	1177.8	1059.6	684.5
82.5°	81.6	80.4	80.4	82.8	79.2	112.1	185.1	365.4	486.0	455.5	320.3
85°	43.8	43.8	49.9	56.0	54.8	68.2	141.3	215.6	287.4	277.7	179.0
87.5°	13.4	13.4	14.6	18.3	19.5	36.5	88.9	104.7	130.3	143.7	141.3
90°	14.6	13.4	9.7	11.0	12.2	26.8	82.8	101.1	131.5	146.2	149.8
92.5°	17.1	15.8	9.7	9.7	12.2	21.9	79.2	98.7	143.7	158.3	162.0
95°	18.3	17.1	9.7	9.7	12.2	19.5	70.6	97.4	153.5	173.0	173.0
97.5°	17.1	15.8	7.3	8.5	11.0	17.1	54.8	80.4	107.2	118.1	136.4
100°	14.6	14.6	4.9	7.3	9.7	12.2	31.7	43.8	31.7	30.4	30.4
102.5°	13.4	13.4	4.9	6.1	7.3	8.5	14.6	23.1	7.3	8.5	11.0
105°	13.4	14.6	3.7	4.9	4.9	4.9	7.3	12.2	6.1	7.3	11.0
107.5°	13.4	14.6	3.7	3.7	4.9	3.7	3.7	4.9	6.1	7.3	12.2



REPORT NUMBER: P560226

CATALOG NUMBER: SDL-PA1-30-750-U-T2R-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	8.5	8.5	2.4	3.7	3.7	3.7	2.4	3.7	6.1	8.5	12.2
115°	6.1	4.9	2.4	3.7	2.4	3.7	2.4	3.7	6.1	8.5	11.0
117.5°	4.9	3.7	2.4	2.4	2.4	2.4	1.2	3.7	7.3	9.7	13.4
120°	4.9	4.9	2.4	2.4	2.4	2.4	1.2	3.7	11.0	12.2	17.1
122.5°	4.9	4.9	2.4	2.4	2.4	2.4	1.2	2.4	9.7	13.4	18.3
125°	4.9	4.9	2.4	2.4	2.4	2.4	1.2	2.4	8.5	12.2	15.8
127.5°	4.9	4.9	2.4	1.2	2.4	2.4	2.4	2.4	7.3	9.7	13.4
130°	4.9	4.9	2.4	1.2	2.4	2.4	2.4	2.4	6.1	7.3	11.0
132.5°	3.7	3.7	2.4	1.2	2.4	1.2	1.2	2.4	4.9	6.1	8.5
135°	2.4	2.4	2.4	1.2	2.4	1.2	1.2	1.2	2.4	3.7	6.1
137.5°	1.2	2.4	1.2	1.2	2.4	1.2	1.2	1.2	1.2	1.2	2.4
140°	1.2	1.2	1.2	1.2	2.4	1.2	1.2	1.2	1.2	1.2	1.2
142.5°	1.2	1.2	1.2	1.2	2.4	2.4	1.2	1.2	1.2	1.2	1.2
145°	1.2	1.2	1.2	1.2	3.7	2.4	1.2	1.2	1.2	1.2	1.2
147.5°	1.2	1.2	1.2	4.9	3.7	2.4	1.2	1.2	1.2	1.2	1.2
150°	6.1	6.1	6.1	4.9	3.7	2.4	3.7	1.2	1.2	1.2	1.2
152.5°	6.1	6.1	7.3	3.7	2.4	1.2	1.2	4.9	3.7	2.4	2.4
155°	4.9	3.7	3.7	1.2	1.2	1.2	1.2	1.2	3.7	4.9	4.9
157.5°	1.2	1.2	2.4	1.2	1.2	1.2	1.2	1.2	2.4	1.2	1.2
160°	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
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: P560226

CATALOG NUMBER: SDL-PA1-30-750-U-T2R-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	417.8	417.8	417.8	417.8	417.8	417.8	417.8	417.8	417.8	417.8	417.8
2.5°	420.2	410.5	387.3	370.3	349.6	331.3	315.5	280.1	274.0	270.4	269.2
5°	420.2	399.5	354.4	299.6	257.0	247.2	242.4	242.4	239.9	241.2	242.4
7.5°	372.7	344.7	276.5	233.9	241.2	241.2	242.4	236.3	216.8	219.2	215.6
10°	326.4	291.1	208.3	190.0	208.3	209.5	237.5	248.5	252.1	253.3	253.3
12.5°	300.8	250.9	180.3	186.3	168.1	192.4	226.5	253.3	230.2	218.0	218.0
15°	345.9	297.2	202.2	163.2	165.6	192.4	171.7	239.9	248.5	250.9	250.9
17.5°	310.6	261.9	185.1	168.1	185.1	158.3	193.7	220.5	210.7	199.7	198.5
20°	372.7	309.4	207.1	164.4	163.2	187.6	171.7	180.3	225.3	226.5	225.3
22.5°	289.9	247.2	183.9	186.3	163.2	179.0	169.3	186.3	177.8	176.6	177.8
25°	401.9	320.3	211.9	160.8	170.5	158.3	170.5	157.1	188.8	191.2	192.4
27.5°	492.1	382.4	225.3	174.2	148.6	162.0	152.2	157.1	146.2	152.2	154.7
30°	585.8	445.8	275.3	192.4	157.1	138.8	141.3	140.1	158.3	157.1	154.7
32.5°	616.3	454.3	263.1	201.0	155.9	140.1	129.1	137.6	151.0	162.0	163.2
35°	646.7	460.4	253.3	192.4	152.2	131.5	126.7	141.3	152.2	153.5	157.1
37.5°	682.1	465.3	243.6	180.3	141.3	129.1	125.5	131.5	155.9	153.5	149.8
40°	714.9	467.7	231.4	169.3	129.1	126.7	116.9	131.5	137.6	142.5	144.9
42.5°	773.4	482.3	221.7	159.6	120.6	120.6	112.1	123.0	141.3	143.7	142.5
45°	816.0	477.4	208.3	151.0	112.1	107.2	109.6	134.0	142.5	157.1	154.7
47.5°	876.9	489.6	192.4	137.6	104.7	98.7	103.5	130.3	146.2	157.1	159.6
50°	936.6	487.2	179.0	126.7	99.9	93.8	114.5	126.7	143.7	162.0	162.0
52.5°	1014.6	490.8	173.0	116.9	93.8	93.8	118.1	127.9	147.4	159.6	159.6
55°	1084.0	477.4	158.3	113.3	92.6	90.1	119.4	132.8	148.6	159.6	160.8
57.5°	1135.1	450.6	147.4	109.6	91.3	92.6	119.4	143.7	138.8	159.6	163.2
60°	1191.2	421.4	137.6	109.6	91.3	96.2	123.0	152.2	152.2	166.9	166.9
62.5°	1267.9	403.1	132.8	110.8	88.9	99.9	134.0	165.6	153.5	176.6	177.8
65°	1332.5	378.8	129.1	115.7	90.1	104.7	140.1	176.6	160.8	187.6	186.3
67.5°	1333.7	342.2	124.2	120.6	91.3	108.4	140.1	183.9	169.3	197.3	193.7
70°	1275.2	305.7	116.9	120.6	95.0	112.1	140.1	188.8	170.5	213.1	209.5
72.5°	1149.8	249.7	106.0	115.7	101.1	116.9	147.4	187.6	170.5	230.2	226.5
75°	978.0	199.7	91.3	106.0	101.1	123.0	152.2	186.3	164.4	219.2	211.9
77.5°	744.2	163.2	76.7	92.6	96.2	125.5	152.2	183.9	159.6	204.6	199.7
80°	383.7	114.5	62.1	79.2	90.1	123.0	151.0	174.2	142.5	181.5	179.0
82.5°	210.7	84.0	49.9	58.5	75.5	115.7	146.2	157.1	125.5	148.6	142.5
85°	136.4	60.9	40.2	47.5	63.3	96.2	123.0	124.2	88.9	107.2	101.1
87.5°	102.3	35.3	25.6	29.2	43.8	53.6	78.0	80.4	56.0	65.8	62.1
90°	107.2	35.3	26.8	30.4	39.0	40.2	57.2	60.9	43.8	49.9	49.9
92.5°	114.5	35.3	28.0	31.7	35.3	31.7	45.1	49.9	36.5	40.2	39.0
95°	116.9	34.1	30.4	32.9	31.7	25.6	36.5	40.2	30.4	30.4	30.4
97.5°	85.3	24.4	30.4	32.9	29.2	20.7	28.0	31.7	19.5	15.8	15.8
100°	23.1	12.2	29.2	31.7	25.6	17.1	24.4	24.4	12.2	8.5	8.5
102.5°	9.7	9.7	25.6	28.0	19.5	11.0	17.1	17.1	8.5	3.7	3.7
105°	9.7	7.3	18.3	20.7	13.4	6.1	8.5	9.7	6.1	3.7	3.7
107.5°	9.7	7.3	8.5	11.0	6.1	4.9	4.9	4.9	3.7	3.7	3.7



REPORT NUMBER: P560226

CATALOG NUMBER: SDL-PA1-30-750-U-T2R-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	12.2	8.5	4.9	6.1	4.9	3.7	3.7	3.7	4.9	11.0	11.0
115°	11.0	7.3	4.9	4.9	3.7	3.7	2.4	2.4	4.9	13.4	13.4
117.5°	12.2	8.5	4.9	4.9	3.7	2.4	2.4	2.4	6.1	15.8	15.8
120°	14.6	9.7	4.9	3.7	2.4	2.4	2.4	2.4	7.3	17.1	17.1
122.5°	15.8	11.0	4.9	3.7	2.4	1.2	2.4	3.7	8.5	17.1	17.1
125°	13.4	9.7	4.9	3.7	2.4	1.2	2.4	3.7	8.5	15.8	17.1
127.5°	12.2	8.5	4.9	2.4	2.4	1.2	1.2	3.7	7.3	12.2	14.6
130°	9.7	7.3	3.7	2.4	2.4	1.2	1.2	2.4	7.3	11.0	13.4
132.5°	8.5	6.1	3.7	2.4	2.4	1.2	1.2	2.4	7.3	9.7	9.7
135°	6.1	4.9	2.4	2.4	2.4	1.2	2.4	1.2	4.9	8.5	8.5
137.5°	3.7	2.4	2.4	2.4	2.4	1.2	1.2	1.2	3.7	4.9	4.9
140°	1.2	1.2	2.4	2.4	2.4	1.2	1.2	1.2	2.4	2.4	2.4
142.5°	1.2	1.2	2.4	2.4	2.4	1.2	1.2	1.2	2.4	2.4	2.4
145°	1.2	1.2	1.2	2.4	2.4	1.2	1.2	1.2	1.2	1.2	2.4
147.5°	1.2	1.2	1.2	2.4	1.2	1.2	1.2	1.2	1.2	1.2	2.4
150°	1.2	1.2	1.2	2.4	2.4	1.2	1.2	2.4	2.4	2.4	2.4
152.5°	1.2	1.2	2.4	2.4	1.2	1.2	1.2	2.4	2.4	2.4	2.4
155°	3.7	3.7	2.4	2.4	1.2	1.2	0.0	1.2	2.4	2.4	2.4
157.5°	1.2	1.2	2.4	1.2	1.2	1.2	0.0	1.2	1.2	1.2	1.2
160°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	1.2	1.2	1.2	1.2
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





--- HS --- SS



u



110°	12.2	12.2	2.4	3.7	3.7	3.7	2.4	3.7	6.1	8.5	12.2
------	------	------	-----	-----	-----	-----	-----	-----	-----	-----	------



110°	11.0	7.3	4.9	6.1	4.9	3.7	3.7	3.7	3.7	4.9	6.1
------	------	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

(END OF REPORT)