

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: P561285

Luminaire Tested: **SDL-PA1-90-750-U-T2R**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561285
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-20)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-90-750-U-T2R
Description: Springdale
(1) 70 CRI, 5000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE II R OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10129.9 lumens
Efficiency: N/A
Efficacy: 109.6 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 - U0 - G2

Input Watts (W): 92.4
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

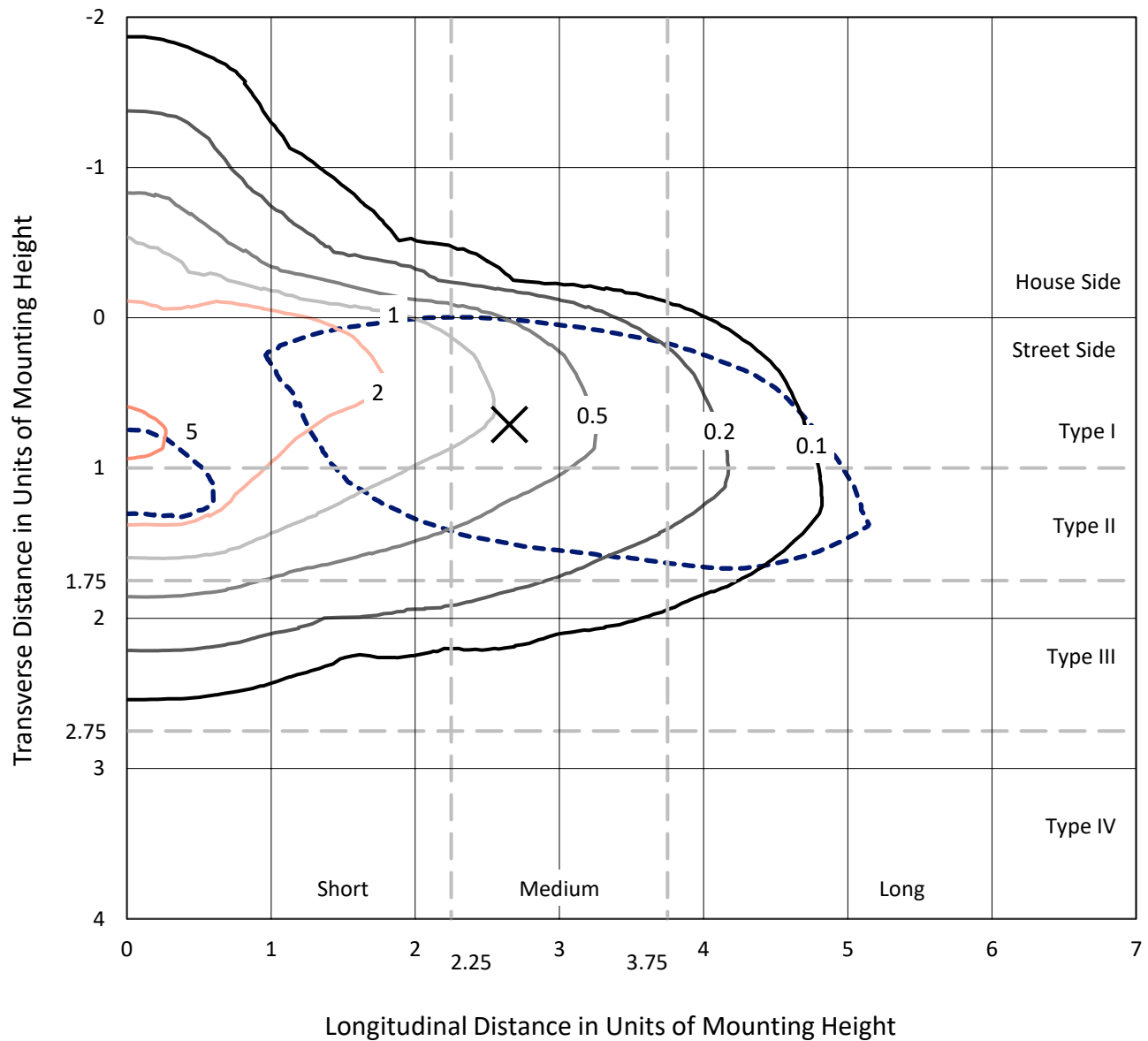


REPORT NUMBER: P561285

CATALOG NUMBER: SDL-PA1-90-750-U-T2R

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

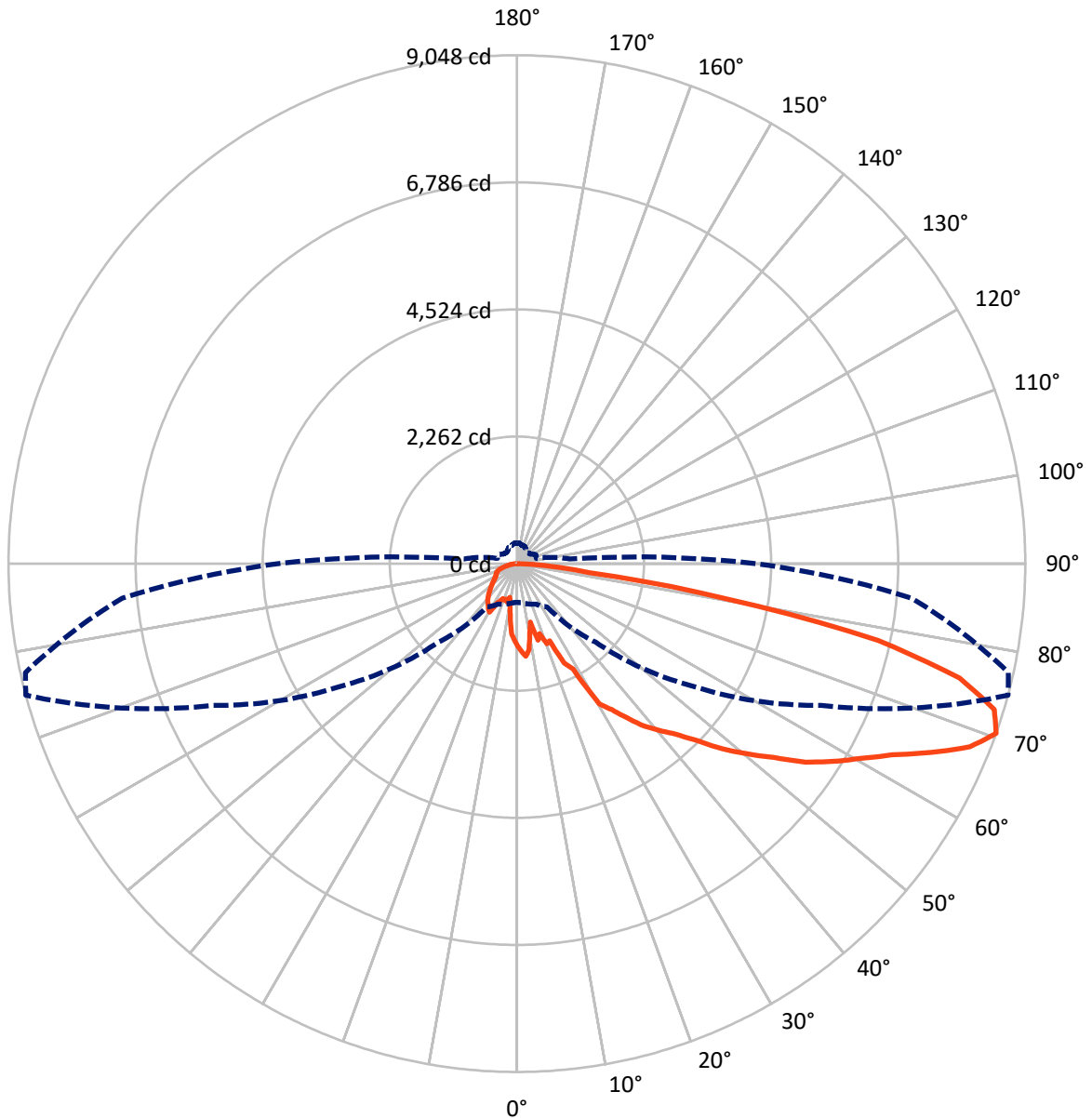


Based on 20 foot mounting height. Maximum calculated value = 5.8 fc
 Type II - Medium - N/A

REPORT NUMBER: P561285

CATALOG NUMBER: SDL-PA1-90-750-U-T2R

Luminous Intensity Polar Plot



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

REPORT NUMBER: P561285

CATALOG NUMBER: SDL-PA1-90-750-U-T2R

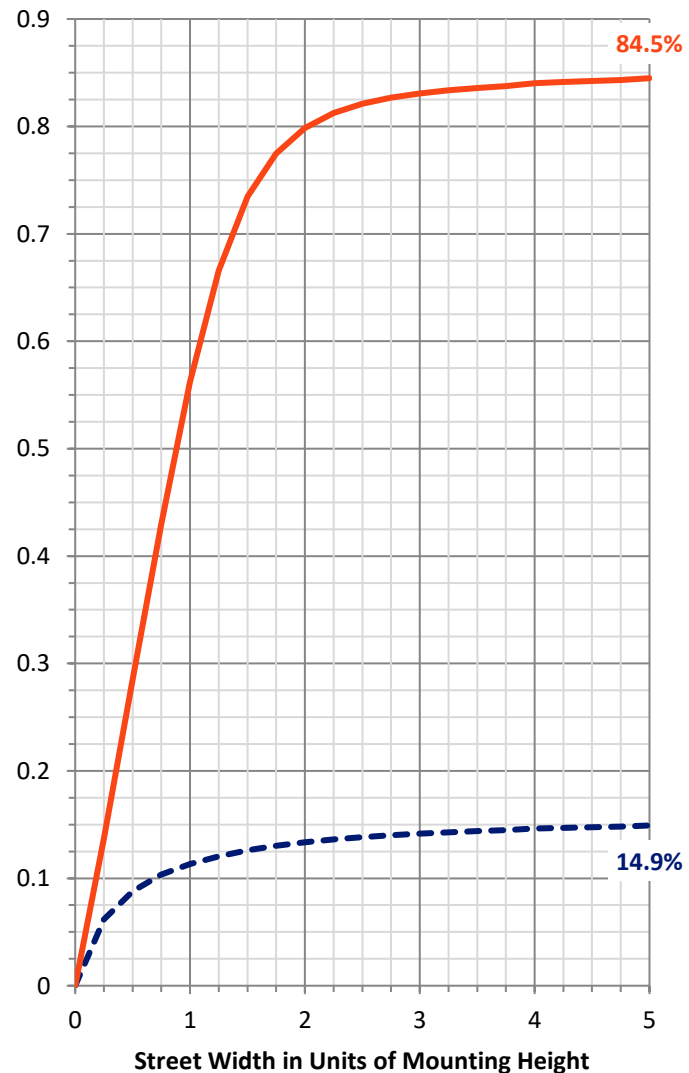
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1541.0	0.0	1541.0
	% Fixture	15.2	0.0	15.2
Street Side	Lumens	8588.9	0.0	8588.9
	% Fixture	84.8	0.0	84.8
Total	Lumens	10129.9	0.0	10129.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.0	1.2
10°-20°	321.8	3.2
20°-30°	588.3	5.8
30°-40°	1194.3	11.8
40°-50°	1833.0	18.1
50°-60°	2209.8	21.8
60°-70°	2137.1	21.1
70°-80°	1482.4	14.6
80°-90°	242.1	2.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	10129.9	100.0
0°-180°	10129.9	100.0

Coefficient of Utilization



REPORT NUMBER: P561285

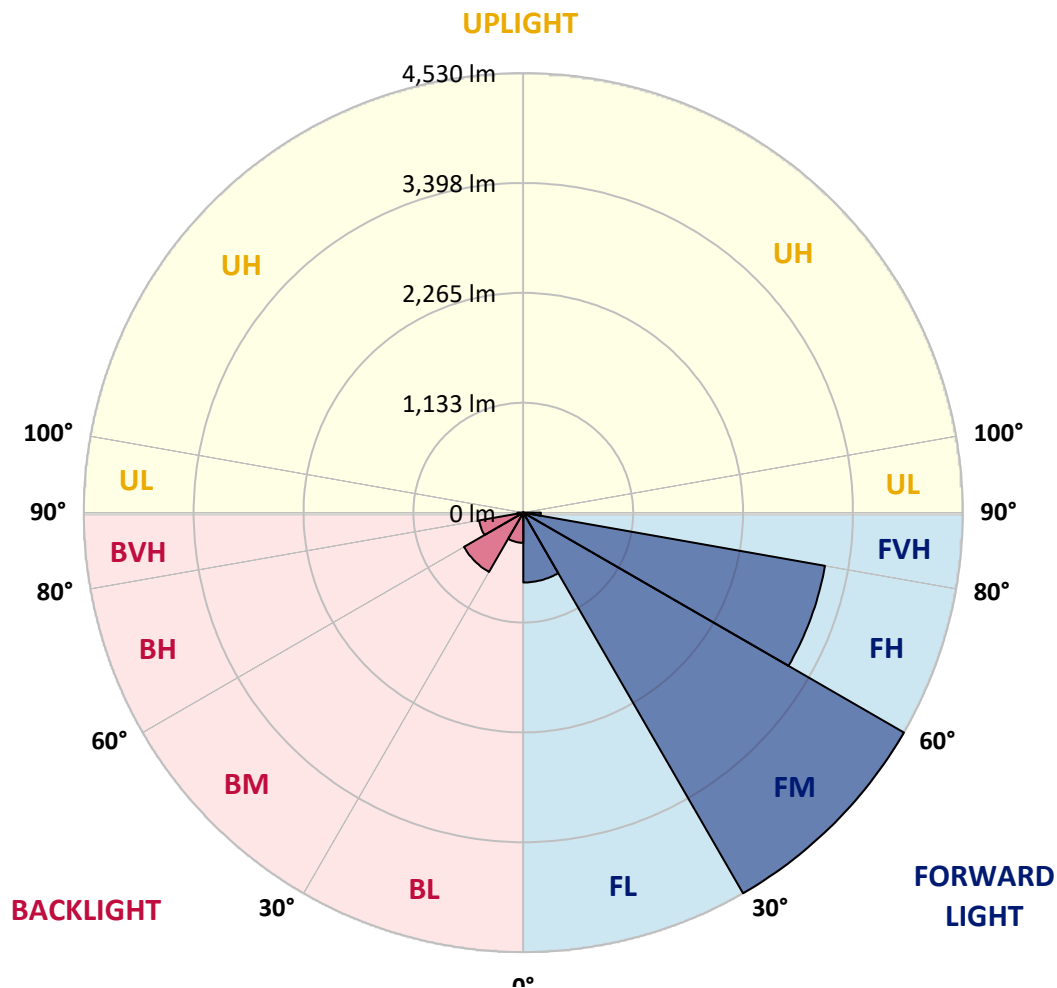
CATALOG NUMBER: SDL-PA1-90-750-U-T2R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	720.1	7.1			
FM	(30°-60°)	4530.3	44.7			
FH	(60°-80°)	3157.2	31.2			G2/5000
FVH	(80°-90°)	181.3	1.8			G2/225
BL	(0°-30°)	311.1	3.1	B1/500		
BM	(30°-60°)	706.8	7.0	B1/1000		
BH	(60°-80°)	462.2	4.6	B1/500		G1/500
BVH	(80°-90°)	60.8	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type II Medium



REPORT NUMBER: P561285

CATALOG NUMBER: SDL-PA1-90-750-U-T2R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	1463.9	1463.9	1463.9	1463.9	1463.9	1463.9	1463.9	1463.9	1463.9	1463.9	1463.9
2.5°	1519.8	1665.1	1594.3	1676.3	1717.3	1691.2	1668.8	1613.0	1564.5	1545.9	1497.5
5°	1676.3	1672.6	1653.9	1646.5	1613.0	1572.0	1538.5	1724.7	1657.7	1624.1	1538.5
7.5°	1486.3	1613.0	1706.1	1754.5	1754.5	1706.1	1653.9	1426.7	1542.2	1512.4	1389.4
10°	1866.3	1866.3	1862.5	1866.3	1531.0	1613.0	1385.7	1288.9	1247.9	1344.7	1247.9
12.5°	1586.9	1724.7	1881.2	1937.0	1784.3	1523.5	1419.2	1363.4	1069.1	1046.7	1106.3
15°	1866.3	1877.4	1892.3	1665.1	1415.5	1616.7	1236.7	1225.5	1415.5	1382.0	1396.9
17.5°	1497.5	1512.4	1836.5	1795.5	1646.5	1225.5	1542.2	1378.3	1307.5	1262.8	1259.1
20°	1888.6	1896.1	1892.3	1419.2	1519.8	1668.8	1598.1	1214.4	1523.5	1542.2	1560.8
22.5°	1598.1	1601.8	1620.4	1806.7	1538.5	1739.6	1441.6	1810.4	1493.7	1538.5	1162.2
25°	2149.4	2149.4	2082.3	1627.9	1862.5	1586.9	1754.5	1557.1	1959.4	1907.2	1747.1
27.5°	2004.1	1989.2	1911.0	2015.3	1680.0	2007.8	1735.9	1955.7	2127.0	2052.5	2119.6
30°	2816.1	2834.8	2734.2	2093.5	2045.1	1925.9	2000.4	2317.0	2894.4	2853.4	2547.9
32.5°	3769.8	3594.7	3136.5	2711.8	2235.0	2350.5	2235.0	2734.2	3099.3	3106.7	2696.9
35°	4231.7	4216.8	4019.3	3199.8	2570.3	2570.3	2507.0	2853.4	3363.7	3315.3	2857.1
37.5°	4600.5	4578.1	4440.3	3617.0	2872.0	2857.1	2652.2	3035.9	3665.5	3542.5	3032.2
40°	4913.4	4883.6	4764.4	3907.6	3199.8	3129.1	2831.0	3244.5	3900.1	3911.3	3199.8
42.5°	5122.0	5110.8	5025.1	4172.1	3471.8	3345.1	3069.5	3512.7	4149.7	4213.0	3408.4
45°	5285.9	5282.1	5207.6	4462.6	3665.5	3542.5	3322.8	3713.9	4492.4	4529.7	3631.9
47.5°	5304.5	5319.4	5319.4	4607.9	3799.6	3717.6	3583.5	3892.7	4928.3	4850.0	3892.7
50°	5110.8	5125.7	5218.8	4850.0	3915.0	3862.9	3807.0	4108.7	5326.8	5211.4	4168.3
52.5°	4615.4	4648.9	4902.2	4730.8	3974.6	3970.9	4015.6	4388.1	5732.9	5609.9	4533.4
55°	3550.0	3572.3	4201.9	4380.7	3956.0	3997.0	4172.1	4734.6	6235.8	6127.7	4917.1
57.5°	2711.8	2775.2	3170.0	3717.6	3751.1	3974.6	4272.6	4976.7	6641.8	6533.8	5271.0
60°	2182.9	2227.6	2458.5	2939.1	3311.6	3877.8	4410.5	5278.4	7036.6	6984.5	5650.9
62.5°	1709.8	1739.6	1899.8	2216.4	2689.5	3650.6	4496.1	5606.2	7491.1	7465.0	6146.4
65°	1225.5	1255.3	1396.9	1605.5	2078.6	3222.2	4455.2	5919.1	8102.0	8075.9	6626.9
67.5°	894.0	901.5	994.6	1136.1	1475.1	2607.5	4254.0	6116.6	8698.0	8645.9	6995.7
70°	689.1	696.6	741.3	793.4	942.4	1974.3	3784.7	5967.5	9048.2	8958.8	7051.5
72.5°	558.8	558.8	577.4	603.5	644.4	1288.9	2972.6	5382.7	8884.3	8709.2	6585.9
75°	469.4	469.4	480.5	473.1	450.7	804.6	2067.4	4496.1	8135.5	7915.8	5732.9
77.5°	394.9	391.1	391.1	394.9	350.2	547.6	1262.8	3464.3	6574.7	6362.4	4250.3
80°	324.1	324.1	324.1	324.1	286.8	391.1	752.5	2298.4	3777.2	3296.7	1948.2
82.5°	238.4	242.1	253.3	253.3	238.4	286.8	391.1	961.1	1292.6	1143.6	689.1
85°	111.8	115.5	149.0	156.5	152.7	141.6	204.9	432.1	603.5	547.6	160.2
87.5°	3.7	3.7	14.9	33.5	29.8	22.4	41.0	59.6	22.4	26.1	18.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P561285

CATALOG NUMBER: SDL-PA1-90-750-U-T2R

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	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 NUMBER: P561285

CATALOG NUMBER: SDL-PA1-90-750-U-T2R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1463.9	1463.9	1463.9	1463.9	1463.9	1463.9	1463.9	1463.9	1463.9	1463.9	1463.9
2.5°	1463.9	1430.4	1352.2	1285.1	1214.4	1165.9	1057.9	979.7	938.7	931.3	942.4
5°	1471.4	1396.9	1240.4	1043.0	894.0	856.8	841.9	838.1	834.4	834.4	834.4
7.5°	1296.3	1199.5	964.8	819.5	841.9	841.9	841.9	830.7	763.6	733.8	733.8
10°	1143.6	1016.9	718.9	663.1	666.8	700.3	789.7	882.8	901.5	905.2	908.9
12.5°	990.9	867.9	610.9	644.4	581.1	689.1	815.8	908.9	819.5	774.8	774.8
15°	1247.9	1072.8	707.8	566.2	573.7	689.1	622.1	841.9	901.5	905.2	908.9
17.5°	1125.0	946.2	659.3	596.0	629.5	525.2	711.5	797.2	733.8	726.4	718.9
20°	1367.1	1125.0	689.1	592.3	588.6	637.0	603.5	603.5	819.5	819.5	819.5
22.5°	1013.2	834.4	670.5	666.8	562.5	629.5	599.7	670.5	644.4	633.3	633.3
25°	1486.3	1177.1	733.8	584.8	603.5	555.0	618.4	551.3	681.7	689.1	689.1
27.5°	1784.3	1382.0	797.2	648.2	555.0	596.0	510.3	555.0	525.2	529.0	529.0
30°	2127.0	1620.4	990.9	678.0	569.9	491.7	506.6	480.5	569.9	558.8	555.0
32.5°	2220.1	1635.3	953.6	718.9	555.0	495.4	458.2	495.4	529.0	577.4	577.4
35°	2328.2	1650.2	901.5	685.4	543.9	461.9	454.5	495.4	536.4	521.5	521.5
37.5°	2428.7	1661.4	860.5	644.4	499.2	450.7	450.7	458.2	499.2	476.8	476.8
40°	2544.2	1665.1	812.1	599.7	461.9	443.3	417.2	424.7	428.4	413.5	409.8
42.5°	2674.6	1661.4	756.2	558.8	428.4	413.5	394.9	394.9	406.0	402.3	398.6
45°	2816.1	1657.7	696.6	510.3	391.1	372.5	361.3	406.0	424.7	424.7	417.2
47.5°	2987.5	1657.7	640.7	454.5	365.1	335.3	327.8	376.2	413.5	420.9	428.4
50°	3184.9	1650.2	588.6	413.5	339.0	312.9	324.1	372.5	402.3	413.5	409.8
52.5°	3442.0	1635.3	543.9	380.0	320.4	286.8	305.5	361.3	398.6	402.3	398.6
55°	3665.5	1583.2	499.2	365.1	305.5	271.9	294.3	357.6	391.1	391.1	391.1
57.5°	3855.4	1508.6	461.9	353.9	301.7	268.2	290.6	353.9	376.2	387.4	387.4
60°	4086.4	1415.5	435.8	350.2	298.0	264.5	286.8	350.2	368.8	383.7	383.7
62.5°	4324.8	1337.3	420.9	350.2	286.8	268.2	286.8	350.2	365.1	383.7	380.0
65°	4518.5	1236.7	406.0	357.6	283.1	268.2	286.8	350.2	361.3	380.0	380.0
67.5°	4507.3	1098.9	387.4	376.2	286.8	271.9	286.8	346.4	353.9	380.0	372.5
70°	4254.0	938.7	357.6	372.5	298.0	271.9	283.1	335.3	339.0	372.5	361.3
72.5°	3795.8	759.9	316.6	350.2	298.0	275.7	275.7	320.4	320.4	357.6	335.3
75°	3177.5	584.8	260.8	309.2	283.1	283.1	260.8	301.7	294.3	316.6	294.3
77.5°	2369.1	443.3	201.2	257.0	257.0	279.4	249.6	279.4	268.2	271.9	260.8
80°	987.1	268.2	152.7	201.2	219.8	271.9	238.4	253.3	227.2	227.2	219.8
82.5°	409.8	171.4	104.3	126.7	149.0	242.1	227.2	216.1	186.3	171.4	160.2
85°	149.0	93.1	70.8	85.7	96.9	167.6	163.9	137.8	108.0	119.2	96.9
87.5°	11.2	14.9	14.9	18.6	18.6	22.4	37.3	37.3	22.4	18.6	11.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P561285

CATALOG NUMBER: SDL-PA1-90-750-U-T2R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	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



--- HS --- SS



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110°	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°	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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(END OF REPORT)