

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: P560306

Luminaire Tested: **SDL-PA1-30-830-U-T4W-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560306
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-10)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-30-830-U-T4W-HSS
Description: Springdale
(1) 80 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2188.4 lumens
Efficiency: N/A
Efficacy: 72.7 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: B0 - U0 - G1

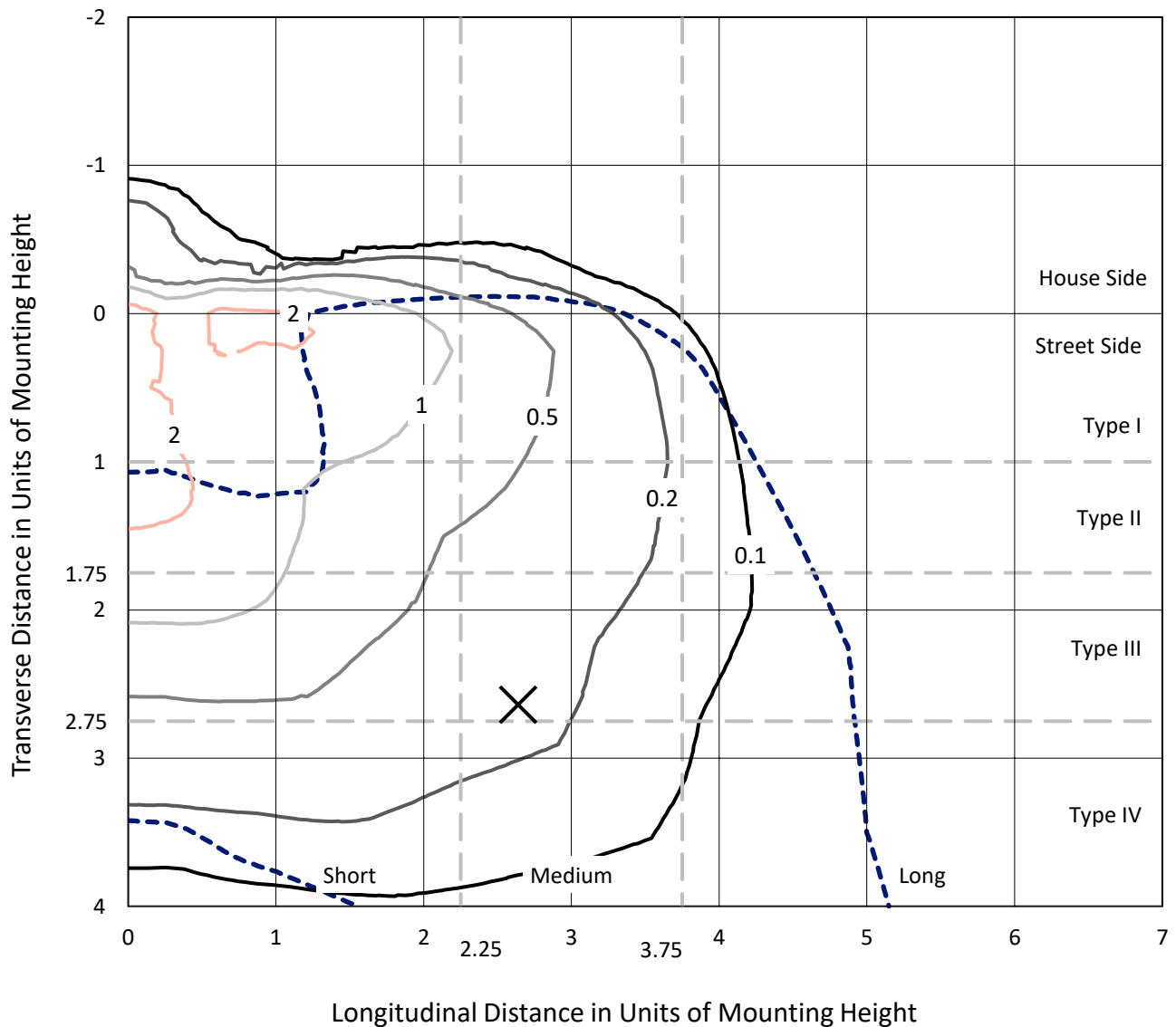
Input Watts (W): 30.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P560306
 CATALOG NUMBER: SDL-PA1-30-830-U-T4W-HSS

Iso-Footcandle Lines of Horizontal Illumination

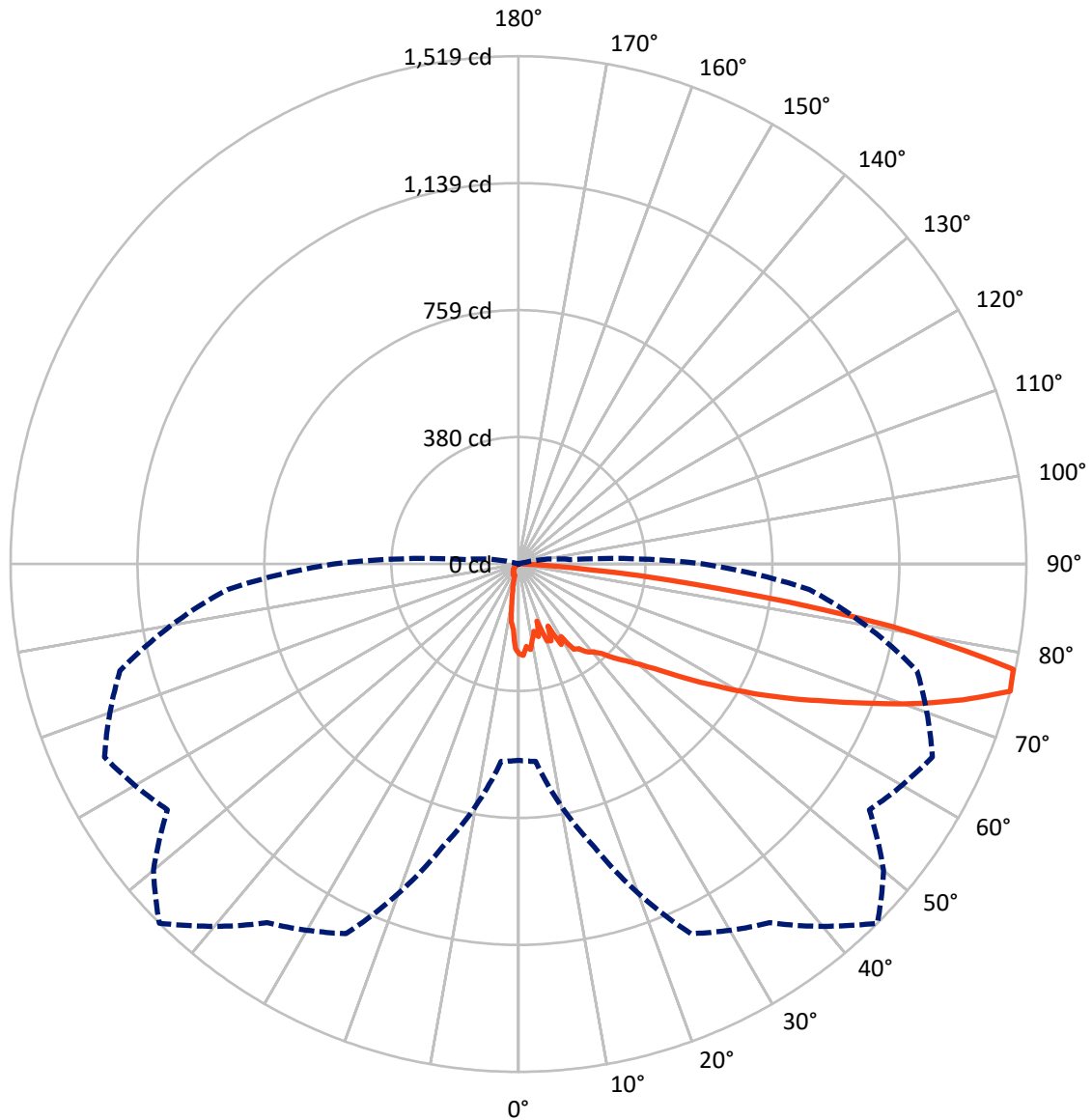
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.8 fc
 Type IV - Medium - N/A

REPORT NUMBER: P560306
CATALOG NUMBER: SDL-PA1-30-830-U-T4W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

REPORT NUMBER: P560306
 CATALOG NUMBER: SDL-PA1-30-830-U-T4W-HSS

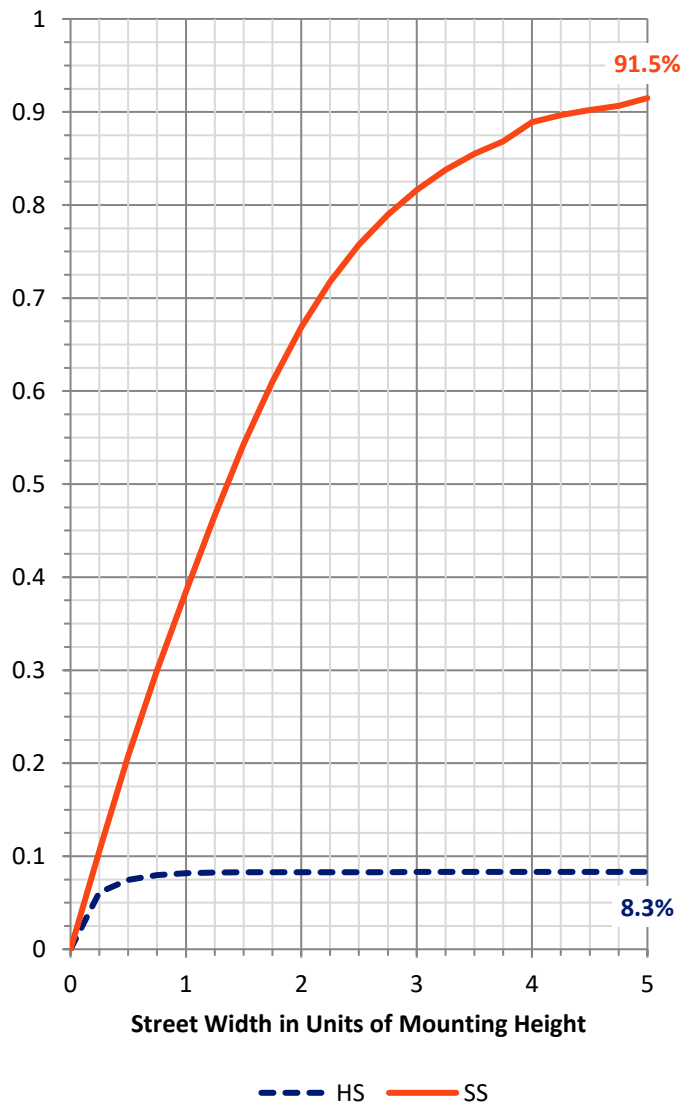
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	183.7	0.0	183.7
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	2004.6	0.0	2004.6
	% Fixture	91.6	0.0	91.6
Total	Lumens	2188.4	0.0	2188.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.8	1.0
10°-20°	45.8	2.1
20°-30°	77.5	3.5
30°-40°	142.6	6.5
40°-50°	234.1	10.7
50°-60°	416.6	19.0
60°-70°	623.4	28.5
70°-80°	555.0	25.4
80°-90°	72.5	3.3
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°	2188.4	100.0
0°-180°	2188.4	100.0

Coefficient of Utilization



REPORT NUMBER: P560306

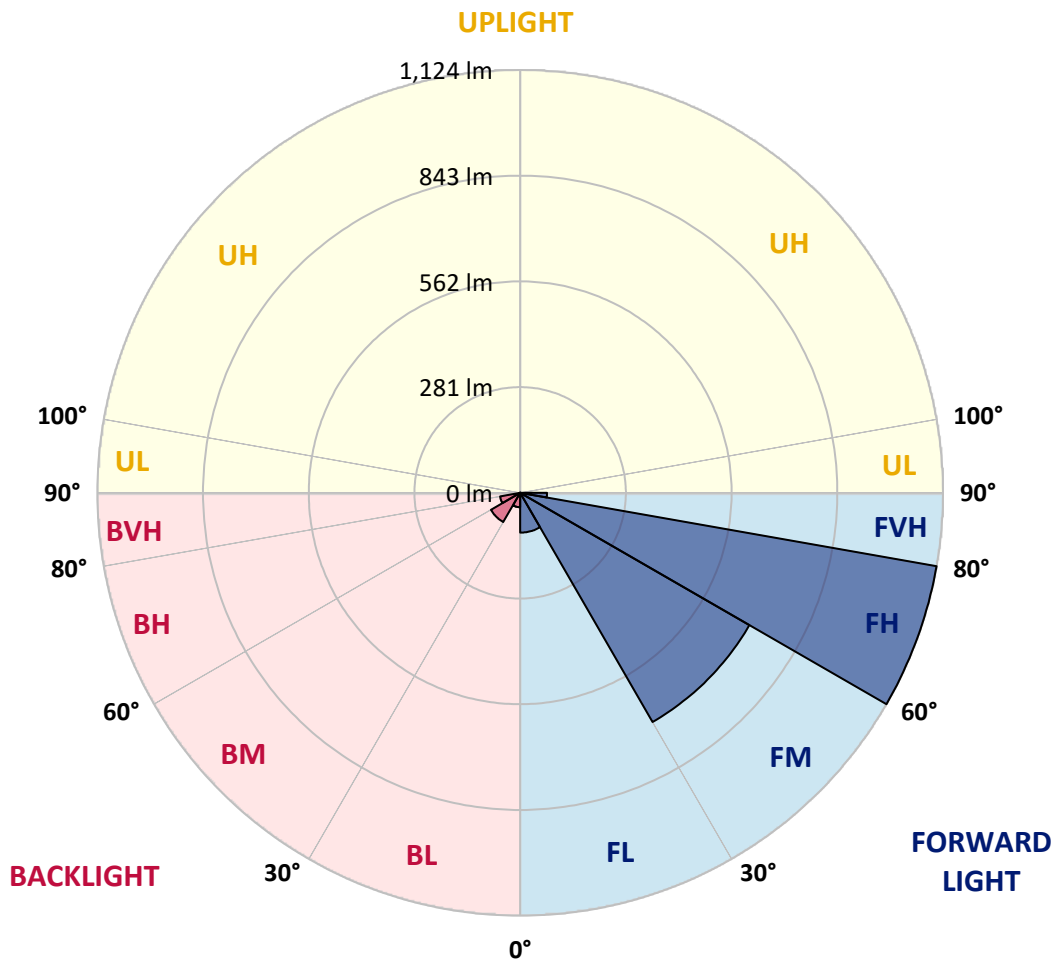
CATALOG NUMBER: SDL-PA1-30-830-U-T4W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	105.8	4.8			
FM (30°-60°)	703.5	32.1			
FH (60°-80°)	1124.0	51.4			G1/1800
FVH (80°-90°)	71.4	3.3			G1/100
BL (0°-30°)	38.3	1.8	B0/110		
BM (30°-60°)	89.9	4.1	B0/220		
BH (60°-80°)	54.4	2.5	B0/110		G0/110
BVH (80°-90°)	1.1	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type IV Medium





REPORT NUMBER: P560306

CATALOG NUMBER: SDL-PA1-30-830-U-T4W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	268.3	268.3	268.3	268.3	268.3	268.3	268.3	268.3	268.3	268.3	268.3
2.5°	249.6	268.3	270.5	271.6	273.8	274.9	274.9	274.9	274.9	273.8	273.8
5°	263.9	262.8	261.7	260.6	259.5	257.3	255.1	251.8	249.6	247.4	245.2
7.5°	258.4	259.5	262.8	265.0	263.9	262.8	265.0	266.1	262.8	258.4	254.0
10°	301.3	299.1	296.9	294.7	291.4	288.1	261.7	235.3	233.1	229.8	227.6
12.5°	263.9	296.9	296.9	296.9	296.9	296.9	279.3	261.7	234.2	206.7	174.8
15°	329.9	328.8	324.4	320.0	290.3	259.5	243.0	226.5	226.5	225.4	212.2
17.5°	273.8	273.8	295.8	316.7	304.6	292.5	269.4	246.3	213.3	179.2	192.4
20°	346.4	346.4	342.0	337.6	287.0	236.4	238.6	240.8	243.0	245.2	203.4
22.5°	284.8	282.6	280.4	278.2	283.7	289.2	244.1	197.9	224.3	249.6	194.6
25°	347.5	350.8	348.6	345.3	300.2	255.1	265.0	273.8	239.7	205.6	238.6
27.5°	298.0	294.7	290.3	284.8	288.1	291.4	270.5	248.5	260.6	272.7	218.8
30°	365.1	366.2	364.0	361.8	318.9	276.0	274.9	272.7	262.8	251.8	246.3
32.5°	452.0	443.2	412.4	381.6	355.2	328.8	307.9	287.0	295.8	303.5	273.8
35°	493.8	477.3	464.1	449.8	405.8	360.7	335.4	309.0	310.1	311.2	299.1
37.5°	534.4	510.3	493.8	477.3	424.5	371.7	344.2	316.7	325.5	333.2	320.0
40°	548.7	535.5	525.6	515.7	459.7	402.5	370.6	337.6	342.0	345.3	340.9
42.5°	585.0	582.8	577.3	570.7	503.7	435.5	397.0	358.5	362.9	366.2	364.0
45°	671.9	668.6	668.6	667.5	580.6	492.7	442.1	391.5	395.9	400.3	398.1
47.5°	784.1	778.6	772.0	764.3	671.9	578.4	505.9	432.2	432.2	432.2	435.5
50°	901.7	894.0	879.7	864.3	770.9	677.4	585.0	492.7	482.8	471.8	483.9
52.5°	1023.8	1010.6	986.4	961.1	878.6	796.2	691.7	586.1	556.4	525.6	541.0
55°	1089.8	1075.5	1059.0	1041.4	974.3	906.1	799.5	692.8	646.6	599.3	615.8
57.5°	1143.7	1140.4	1132.7	1125.0	1073.3	1021.6	914.9	807.2	744.5	681.8	696.1
60°	1217.3	1212.9	1216.2	1219.5	1180.0	1140.4	1039.2	936.9	856.6	775.3	770.9
62.5°	1272.3	1271.2	1287.7	1304.2	1283.3	1261.3	1148.1	1033.7	955.6	876.4	854.4
65°	1221.7	1236.0	1297.6	1359.2	1355.9	1351.5	1245.9	1139.3	1062.3	984.2	955.6
67.5°	1115.1	1121.7	1212.9	1303.1	1342.7	1381.2	1306.4	1230.5	1170.1	1108.5	1055.7
70°	1015.0	1029.3	1109.6	1189.9	1292.1	1394.4	1335.0	1275.6	1263.5	1250.3	1182.2
72.5°	918.2	943.5	1018.3	1093.1	1229.4	1364.7	1329.5	1294.3	1341.6	1388.9	1307.5
75°	587.2	592.7	734.6	875.3	1048.0	1219.5	1264.6	1309.7	1414.2	1518.7	1425.2
77.5°	171.5	190.2	296.9	403.6	601.5	798.4	952.3	1106.3	1309.7	1513.2	1398.8
80°	58.3	62.7	78.1	92.4	197.9	303.5	481.7	658.7	895.1	1131.6	1051.3
82.5°	28.6	29.7	37.4	44.0	67.1	90.2	181.4	271.6	438.8	604.8	619.1
85°	8.8	8.8	13.2	17.6	28.6	39.6	68.2	95.7	151.8	206.7	174.8
87.5°	2.2	2.2	3.3	4.4	6.6	8.8	8.8	8.8	6.6	4.4	5.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P560306
 CATALOG NUMBER: SDL-PA1-30-830-U-T4W-HSS

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	268.3	268.3	268.3	268.3	268.3	268.3	268.3	268.3	268.3	268.3	268.3
2.5°	274.9	274.9	274.9	273.8	271.6	270.5	268.3	266.1	263.9	262.8	260.6
5°	241.9	256.2	269.4	270.5	270.5	267.2	263.9	260.6	257.3	254.0	250.7
7.5°	248.5	240.8	233.1	234.2	235.3	234.2	232.0	226.5	222.1	213.3	203.4
10°	199.0	193.5	186.9	189.1	191.3	196.8	202.3	197.9	191.3	174.8	157.3
12.5°	195.7	194.6	192.4	175.9	158.4	167.2	174.8	170.5	163.9	147.4	129.8
15°	167.2	168.3	168.3	184.7	201.2	207.8	213.3	207.8	200.1	178.1	155.1
17.5°	215.5	204.5	193.5	186.9	179.2	181.4	183.6	159.5	167.2	152.9	137.5
20°	223.2	186.9	150.7	180.3	210.0	219.9	229.8	224.3	214.4	179.2	143.0
22.5°	203.4	216.6	229.8	211.1	192.4	180.3	167.2	161.7	155.1	139.7	124.3
25°	251.8	215.5	178.1	213.3	247.4	249.6	251.8	241.9	230.9	186.9	143.0
27.5°	225.4	237.5	248.5	256.2	263.9	273.8	283.7	272.7	246.3	194.6	141.9
30°	268.3	284.8	301.3	326.6	351.9	359.6	366.2	354.1	333.2	246.3	158.4
32.5°	280.4	313.4	346.4	356.3	365.1	375.0	384.9	375.0	349.7	244.1	137.5
35°	313.4	336.5	358.5	373.9	389.3	398.1	406.9	400.3	366.2	240.8	115.5
37.5°	323.3	354.1	383.8	401.4	417.9	425.6	432.2	432.2	383.8	238.6	92.4
40°	338.7	377.2	415.7	432.2	447.6	459.7	470.7	475.1	403.6	237.5	70.4
42.5°	369.5	403.6	437.7	464.1	489.4	507.0	524.5	527.8	426.7	240.8	53.9
45°	402.5	438.8	475.1	510.3	545.4	570.7	594.9	592.7	454.2	249.6	44.0
47.5°	449.8	483.9	517.9	577.3	635.6	659.8	682.9	667.5	482.8	260.6	38.5
50°	498.2	539.9	581.7	657.6	732.4	754.4	775.3	743.4	510.3	273.8	36.3
52.5°	560.8	610.3	659.8	746.7	833.6	853.3	873.1	808.3	531.1	282.6	34.1
55°	634.5	698.3	762.1	844.6	925.9	949.0	972.1	872.0	541.0	287.0	33.0
57.5°	723.6	797.3	869.8	945.7	1020.5	1052.4	1083.2	934.7	545.4	288.1	30.8
60°	810.5	891.8	973.2	1038.1	1103.0	1152.5	1200.8	996.3	543.2	285.9	27.5
62.5°	890.7	980.9	1070.0	1130.5	1191.0	1250.3	1309.7	1045.8	528.9	276.0	22.0
65°	974.3	1070.0	1164.6	1217.3	1270.1	1347.1	1423.0	1088.7	509.2	262.8	15.4
67.5°	1050.2	1141.5	1232.7	1292.1	1351.5	1427.4	1502.2	1099.7	480.6	246.3	11.0
70°	1114.0	1212.9	1310.8	1371.3	1431.8	1470.3	1507.7	1051.3	423.4	215.5	7.7
72.5°	1201.9	1291.0	1379.0	1409.8	1439.5	1372.4	1304.2	876.4	317.8	162.8	6.6
75°	1281.1	1324.0	1365.8	1299.8	1233.8	1053.5	873.1	552.0	155.1	81.4	6.6
77.5°	1200.8	1177.8	1154.7	952.3	748.9	556.4	362.9	216.6	48.4	26.4	4.4
80°	869.8	764.3	657.6	455.3	251.8	168.3	83.6	48.4	12.1	7.7	3.3
82.5°	468.5	361.8	254.0	163.9	73.7	49.5	24.2	16.5	5.5	4.4	2.2
85°	169.4	134.2	97.9	75.9	53.9	31.9	8.8	5.5	3.3	3.3	2.2
87.5°	15.4	17.6	19.8	15.4	9.9	6.6	2.2	2.2	2.2	2.2	1.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P560306
 CATALOG NUMBER: SDL-PA1-30-830-U-T4W-HSS

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	268.3	268.3	268.3	268.3	268.3	268.3	268.3	268.3	268.3	268.3	268.3
2.5°	259.5	258.4	257.3	255.1	254.0	252.9	245.2	237.5	228.7	219.9	219.9
5°	236.4	222.1	214.4	206.7	201.2	195.7	194.6	192.4	190.2	188.0	186.9
7.5°	197.9	192.4	188.0	183.6	178.1	172.6	167.2	161.7	157.3	152.9	143.0
10°	148.5	139.7	133.1	126.5	123.2	118.8	112.2	104.5	104.5	104.5	103.4
12.5°	128.7	127.6	111.1	93.5	88.0	82.5	81.4	80.3	78.1	74.8	70.4
15°	127.6	99.0	84.7	69.3	66.0	61.6	55.0	47.3	46.2	44.0	49.5
17.5°	115.5	93.5	77.0	60.5	48.4	36.3	38.5	39.6	45.1	49.5	52.8
20°	104.5	66.0	55.0	42.9	39.6	35.2	37.4	39.6	38.5	36.3	41.8
22.5°	97.9	70.4	51.7	33.0	35.2	37.4	35.2	31.9	37.4	42.9	46.2
25°	94.6	45.1	40.7	35.2	33.0	30.8	35.2	38.5	36.3	34.1	40.7
27.5°	93.5	45.1	38.5	30.8	33.0	35.2	34.1	31.9	36.3	39.6	38.5
30°	100.1	40.7	36.3	31.9	30.8	29.7	31.9	34.1	34.1	33.0	38.5
32.5°	89.1	40.7	36.3	30.8	30.8	29.7	29.7	29.7	33.0	36.3	38.5
35°	77.0	37.4	34.1	29.7	28.6	27.5	28.6	28.6	31.9	34.1	38.5
37.5°	63.8	35.2	31.9	27.5	26.4	25.3	25.3	24.2	27.5	30.8	34.1
40°	51.7	33.0	29.7	25.3	24.2	23.1	23.1	23.1	25.3	26.4	28.6
42.5°	42.9	30.8	27.5	23.1	22.0	20.9	20.9	19.8	20.9	22.0	23.1
45°	37.4	29.7	26.4	22.0	20.9	18.7	17.6	16.5	16.5	16.5	16.5
47.5°	33.0	27.5	25.3	22.0	19.8	16.5	15.4	13.2	12.1	11.0	9.9
50°	30.8	25.3	23.1	19.8	17.6	14.3	12.1	9.9	8.8	6.6	6.6
52.5°	28.6	23.1	20.9	17.6	14.3	11.0	8.8	5.5	5.5	4.4	4.4
55°	27.5	22.0	18.7	15.4	12.1	7.7	5.5	3.3	3.3	2.2	2.2
57.5°	26.4	20.9	17.6	13.2	8.8	4.4	3.3	2.2	2.2	2.2	2.2
60°	23.1	18.7	14.3	8.8	5.5	2.2	2.2	1.1	2.2	2.2	2.2
62.5°	18.7	14.3	9.9	5.5	3.3	1.1	1.1	1.1	2.2	2.2	2.2
65°	13.2	9.9	6.6	3.3	2.2	1.1	1.1	1.1	1.1	1.1	1.1
67.5°	9.9	7.7	5.5	2.2	2.2	1.1	1.1	1.1	1.1	1.1	1.1
70°	6.6	5.5	4.4	2.2	2.2	1.1	1.1	1.1	1.1	1.1	1.1
72.5°	5.5	4.4	3.3	1.1	1.1	0.0	1.1	1.1	1.1	1.1	1.1
75°	5.5	4.4	3.3	1.1	1.1	0.0	1.1	1.1	1.1	1.1	1.1
77.5°	4.4	3.3	2.2	1.1	1.1	0.0	1.1	2.2	2.2	2.2	2.2
80°	3.3	2.2	2.2	1.1	1.1	0.0	1.1	2.2	2.2	2.2	2.2
82.5°	2.2	2.2	2.2	1.1	1.1	0.0	2.2	3.3	3.3	2.2	2.2
85°	2.2	1.1	1.1	1.1	1.1	1.1	2.2	3.3	3.3	3.3	2.2
87.5°	1.1	1.1	1.1	1.1	1.1	1.1	2.2	3.3	3.3	3.3	2.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P560306
 CATALOG NUMBER: SDL-PA1-30-830-U-T4W-HSS

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	268.3	268.3	268.3	268.3
2.5°	218.8	218.8	217.7	217.7
5°	184.7	184.7	183.6	183.6
7.5°	133.1	130.9	127.6	128.7
10°	102.3	100.1	97.9	100.1
12.5°	66.0	67.1	67.1	63.8
15°	53.9	58.3	61.6	61.6
17.5°	56.1	56.1	55.0	55.0
20°	47.3	51.7	56.1	56.1
22.5°	48.4	46.2	44.0	44.0
25°	46.2	49.5	51.7	51.7
27.5°	37.4	38.5	39.6	39.6
30°	42.9	45.1	46.2	46.2
32.5°	40.7	42.9	44.0	45.1
35°	41.8	44.0	45.1	45.1
37.5°	37.4	38.5	39.6	39.6
40°	29.7	30.8	31.9	31.9
42.5°	23.1	23.1	22.0	23.1
45°	15.4	15.4	14.3	15.4
47.5°	8.8	8.8	8.8	8.8
50°	5.5	5.5	5.5	5.5
52.5°	3.3	3.3	3.3	3.3
55°	2.2	2.2	2.2	2.2
57.5°	2.2	2.2	1.1	1.1
60°	1.1	1.1	1.1	1.1
62.5°	1.1	1.1	0.0	0.0
65°	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0
75°	1.1	1.1	0.0	0.0
77.5°	1.1	1.1	0.0	0.0
80°	1.1	1.1	0.0	0.0
82.5°	1.1	1.1	0.0	0.0
85°	1.1	1.1	1.1	0.0
87.5°	1.1	1.1	1.1	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)