

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: P560188

Luminaire Tested: **SDL-PA1-30-730-U-T2U-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560188
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-6)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-30-730-U-T2U-HSS
Description: Springdale
(1) 70 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2501.7 lumens
Efficiency: N/A
Efficacy: 83.1 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 - U0 - G1

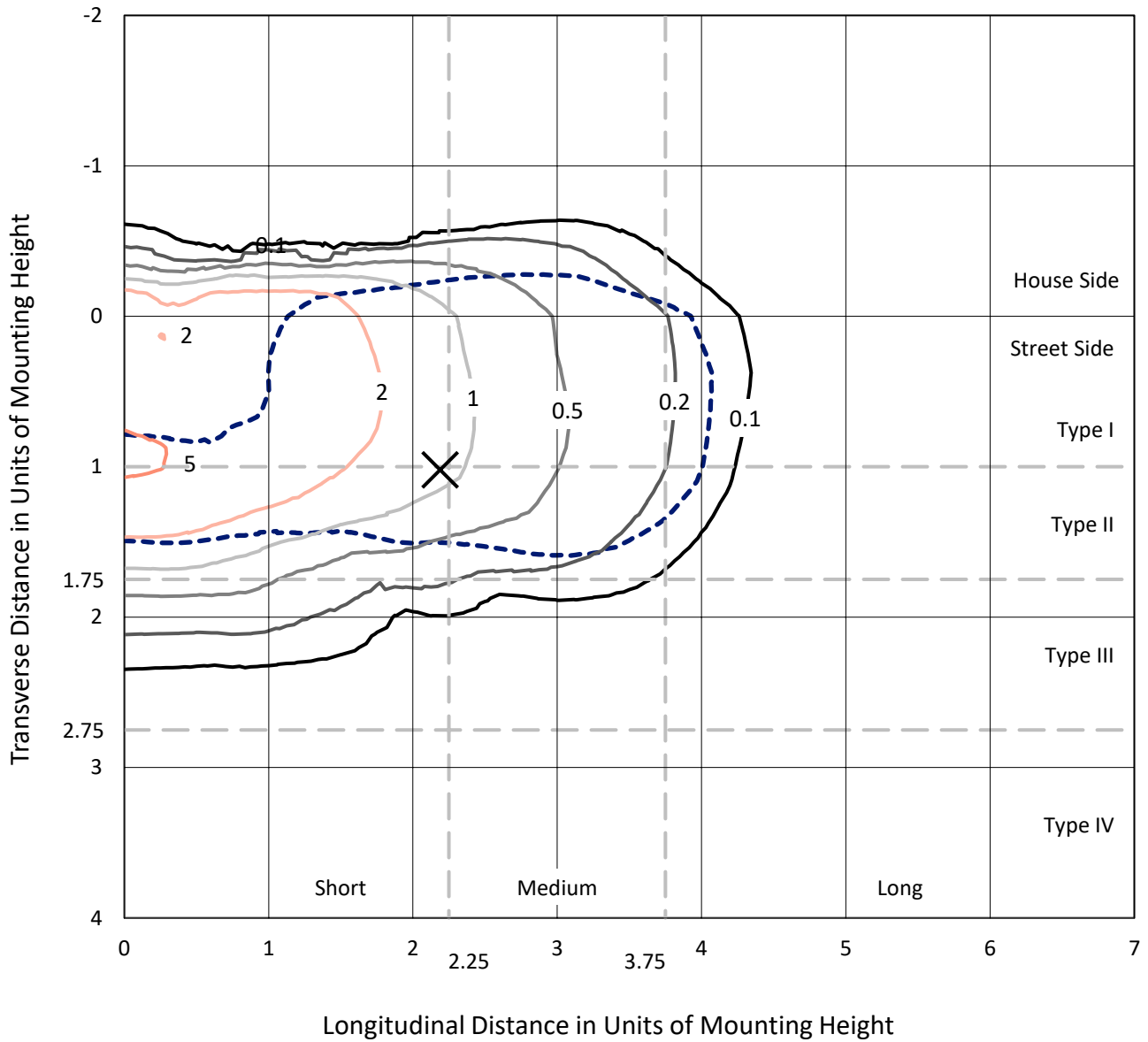
Input Watts (W): 30.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P560188
 CATALOG NUMBER: SDL-PA1-30-730-U-T2U-HSS

Iso-Footcandle Lines of Horizontal Illumination

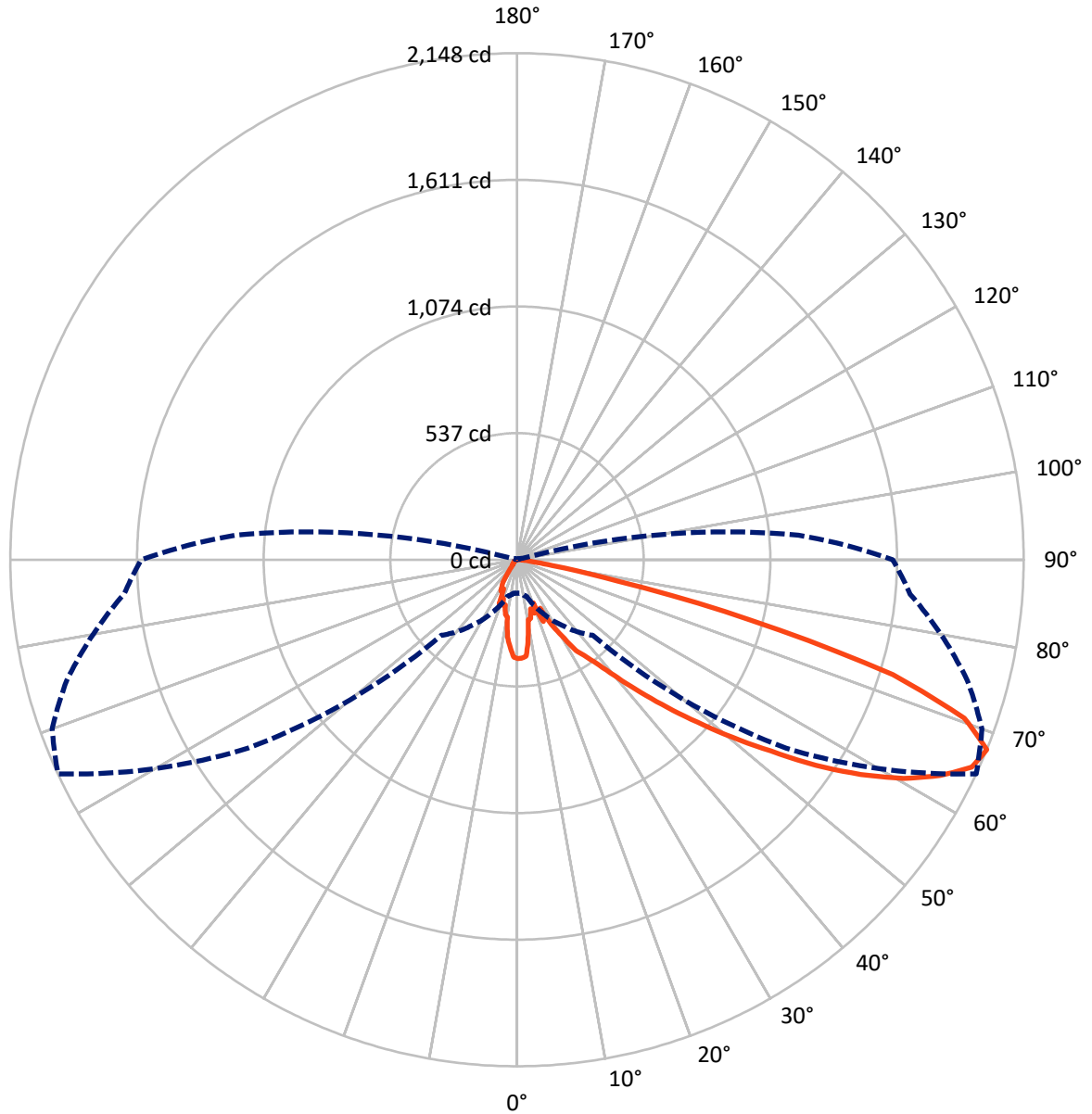
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.5 fc
 Type II - Short - N/A

REPORT NUMBER: P560188
CATALOG NUMBER: SDL-PA1-30-730-U-T2U-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P560188
 CATALOG NUMBER: SDL-PA1-30-730-U-T2U-HSS

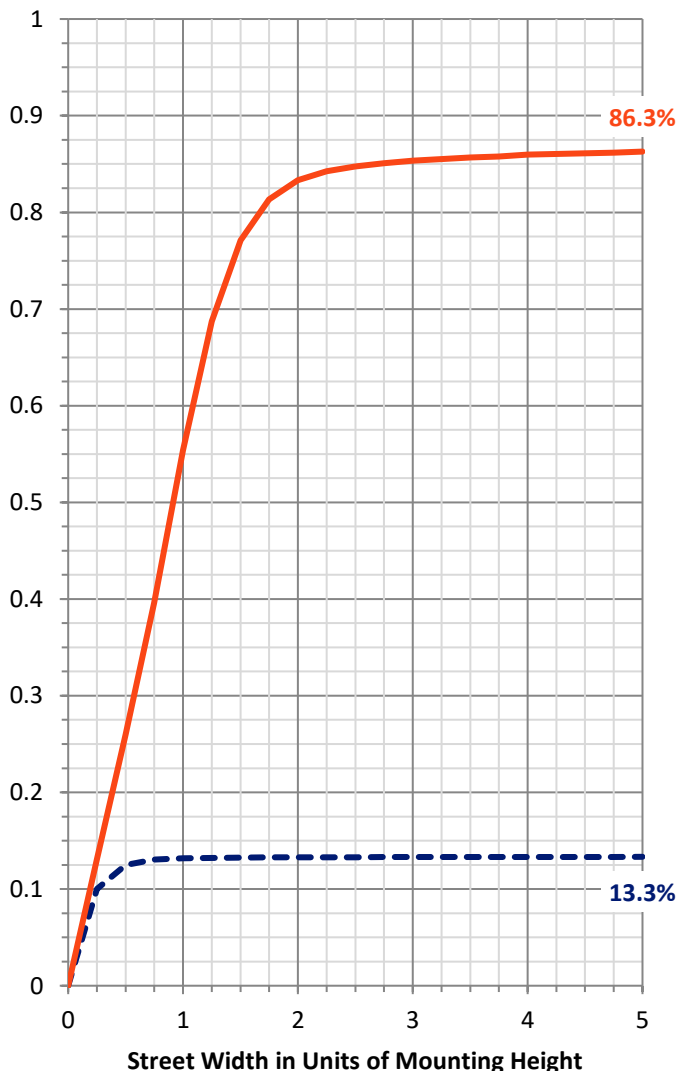
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	338.3	0.0	338.3
	% Fixture	13.5	0.0	13.5
Street Side	Lumens	2163.4	0.0	2163.4
	% Fixture	86.5	0.0	86.5
Total	Lumens	2501.7	0.0	2501.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.2	1.3
10°-20°	62.2	2.5
20°-30°	93.9	3.8
30°-40°	216.3	8.6
40°-50°	474.4	19.0
50°-60°	696.5	27.8
60°-70°	605.0	24.2
70°-80°	300.0	12.0
80°-90°	21.3	0.9
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°	2501.7	100.0
0°-180°	2501.7	100.0

Coefficient of Utilization



REPORT NUMBER: P560188

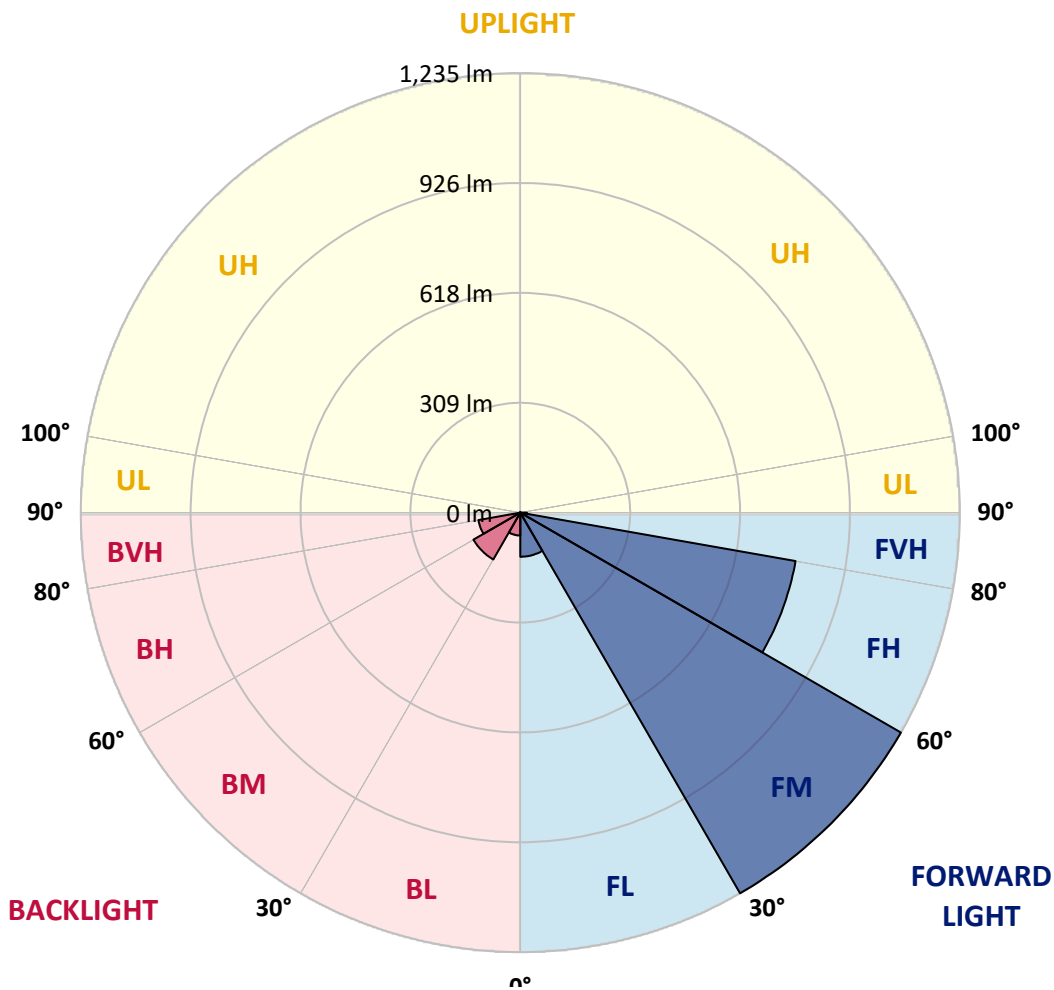
CATALOG NUMBER: SDL-PA1-30-730-U-T2U-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	124.0	5.0			
FM (30°-60°)	1235.3	49.4			
FH (60°-80°)	785.4	31.4			G1/1800
FVH (80°-90°)	18.7	0.7			G1/100
BL (0°-30°)	64.3	2.6	B0/110		
BM (30°-60°)	151.9	6.1	B0/220		
BH (60°-80°)	119.5	4.8	B1/500		G1/500
BVH (80°-90°)	2.6	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





REPORT NUMBER: P560188
 CATALOG NUMBER: SDL-PA1-30-730-U-T2U-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	418.8	418.8	418.8	418.8	418.8	418.8	418.8	418.8	418.8	418.8	418.8
2.5°	350.7	379.7	388.6	397.4	405.0	412.5	413.8	415.1	417.6	418.8	420.1
5°	343.1	344.4	344.4	343.1	344.4	345.7	345.7	345.7	345.7	345.7	346.9
7.5°	275.0	307.8	317.9	326.7	331.8	335.6	338.1	339.4	340.6	341.9	343.1
10°	331.8	330.5	331.8	331.8	333.1	333.1	304.0	275.0	285.1	293.9	278.8
12.5°	263.7	290.2	301.5	312.9	320.4	326.7	314.1	300.3	273.8	246.0	247.3
15°	317.9	317.9	317.9	317.9	293.9	268.7	252.3	234.7	248.5	261.1	235.9
17.5°	256.1	256.1	278.8	301.5	301.5	300.3	283.9	266.2	230.9	195.5	227.1
20°	316.7	316.7	317.9	319.2	277.5	235.9	249.8	262.4	267.5	272.5	261.1
22.5°	258.6	258.6	262.4	264.9	280.1	295.2	254.8	214.5	247.3	280.1	257.4
25°	334.3	335.6	338.1	339.4	301.5	262.4	280.1	297.7	262.4	227.1	262.4
27.5°	302.8	297.7	297.7	296.5	309.1	320.4	295.2	270.0	292.7	315.4	288.9
30°	425.1	421.4	416.3	411.3	363.3	315.4	316.7	316.7	307.8	299.0	314.1
32.5°	589.2	582.8	540.0	497.1	461.7	426.4	389.8	353.2	365.9	377.2	369.6
35°	791.0	791.0	750.6	710.3	630.8	551.3	489.5	426.4	421.4	416.3	423.9
37.5°	1030.7	1005.5	957.5	909.6	811.2	711.5	616.9	522.3	510.9	498.3	485.7
40°	1208.6	1204.8	1168.2	1131.6	1010.5	889.4	778.4	666.1	629.5	591.7	563.9
42.5°	1394.0	1380.2	1351.1	1320.9	1198.5	1074.9	956.3	836.4	786.0	735.5	686.3
45°	1527.8	1524.0	1498.7	1473.5	1373.8	1272.9	1149.3	1024.4	991.6	958.8	866.7
47.5°	1611.0	1589.6	1579.5	1568.1	1482.3	1396.6	1291.8	1185.9	1180.8	1174.5	1058.5
50°	1585.8	1566.9	1569.4	1571.9	1530.3	1488.6	1409.2	1328.4	1342.3	1356.2	1260.3
52.5°	1452.1	1435.7	1458.4	1479.8	1478.6	1477.3	1448.3	1418.0	1468.5	1517.7	1452.1
55°	1184.6	1196.0	1241.4	1286.8	1317.1	1346.1	1387.7	1428.1	1524.0	1618.6	1606.0
57.5°	928.5	953.7	1000.4	1045.8	1095.0	1143.0	1231.3	1319.6	1481.1	1641.3	1696.8
60°	623.2	639.6	721.6	802.4	847.8	893.2	989.1	1083.7	1303.2	1521.4	1666.5
62.5°	387.3	396.1	442.8	489.5	581.6	673.7	721.6	768.3	1005.5	1241.4	1510.1
65°	238.4	235.9	254.8	272.5	363.3	452.9	484.4	514.7	672.4	828.8	1246.4
67.5°	142.6	141.3	151.4	161.5	203.1	244.7	293.9	343.1	398.7	452.9	923.5
70°	116.1	118.6	122.4	126.2	137.5	148.9	194.3	239.7	238.4	237.2	555.1
72.5°	97.1	99.7	107.2	113.5	122.4	129.9	156.4	181.7	170.3	159.0	264.9
75°	71.9	73.2	83.3	92.1	106.0	118.6	124.9	129.9	124.9	119.8	133.7
77.5°	47.9	47.9	56.8	65.6	79.5	93.4	100.9	108.5	99.7	90.8	94.6
80°	30.3	30.3	35.3	39.1	53.0	66.9	75.7	84.5	77.0	68.1	66.9
82.5°	17.7	18.9	21.4	24.0	32.8	41.6	47.9	54.2	63.1	70.6	56.8
85°	7.6	8.8	11.4	12.6	17.7	21.4	25.2	29.0	36.6	44.2	36.6
87.5°	1.3	1.3	2.5	3.8	5.0	6.3	6.3	6.3	6.3	5.0	6.3
90°	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.5



REPORT NUMBER: P560188

CATALOG NUMBER: SDL-PA1-30-730-U-T2U-HSS

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	418.8	418.8	418.8	418.8	418.8	418.8	418.8	418.8	418.8	418.8	418.8
2.5°	420.1	418.8	417.6	417.6	417.6	416.3	415.1	415.1	415.1	413.8	412.5
5°	346.9	378.5	410.0	411.3	413.8	412.5	411.3	410.0	408.7	407.5	405.0
7.5°	343.1	340.6	338.1	329.3	359.5	359.5	358.3	358.3	355.8	345.7	335.6
10°	262.4	261.1	258.6	262.4	268.7	290.2	310.3	309.1	305.3	281.3	257.4
12.5°	248.5	252.3	256.1	243.5	219.5	239.7	259.9	257.4	254.8	233.4	210.7
15°	210.7	213.2	215.7	235.9	272.5	291.4	309.1	306.6	304.0	278.8	252.3
17.5°	258.6	248.5	238.4	252.3	239.7	248.5	257.4	247.3	239.7	229.6	219.5
20°	248.5	222.0	195.5	235.9	282.6	297.7	312.9	309.1	301.5	277.5	252.3
22.5°	233.4	259.9	285.1	272.5	249.8	235.9	222.0	215.7	210.7	211.9	213.2
25°	296.5	262.4	227.1	287.6	324.2	329.3	333.1	321.7	309.1	282.6	254.8
27.5°	261.1	286.4	310.3	334.3	346.9	350.7	353.2	369.6	343.1	307.8	272.5
30°	329.3	350.7	372.2	425.1	468.0	475.6	483.2	464.3	442.8	399.9	357.0
32.5°	362.1	411.3	459.2	484.4	502.1	508.4	514.7	489.5	465.5	410.0	353.2
35°	430.2	466.8	503.4	532.4	566.4	567.7	569.0	541.2	510.9	430.2	349.5
37.5°	471.8	519.8	566.4	599.2	652.2	648.4	644.7	611.9	575.3	461.7	348.2
40°	534.9	596.7	657.3	688.8	753.2	741.8	730.4	692.6	652.2	495.8	339.4
42.5°	637.1	702.7	768.3	794.8	865.4	852.8	838.9	788.5	736.8	523.6	310.3
45°	773.3	832.6	891.9	938.6	994.1	973.9	953.7	899.5	823.8	547.5	271.2
47.5°	941.1	985.3	1029.4	1121.5	1161.9	1121.5	1079.9	1014.3	918.4	567.7	217.0
50°	1164.4	1174.5	1183.3	1298.2	1338.5	1276.7	1214.9	1130.4	1015.6	590.4	164.0
52.5°	1385.2	1366.3	1346.1	1469.7	1484.9	1402.9	1319.6	1231.3	1087.5	603.0	117.3
55°	1593.4	1566.9	1539.1	1627.4	1617.3	1508.8	1400.3	1293.1	1131.6	606.8	82.0
57.5°	1752.3	1735.9	1718.3	1758.6	1720.8	1593.4	1465.9	1358.7	1164.4	613.1	60.6
60°	1810.3	1846.9	1883.5	1878.5	1809.1	1674.1	1539.1	1425.6	1184.6	615.6	45.4
62.5°	1778.8	1897.4	2014.7	1966.8	1882.3	1739.7	1595.9	1486.1	1193.4	614.4	35.3
65°	1664.0	1892.3	2119.4	2040.0	1934.0	1791.4	1648.9	1550.5	1203.5	615.6	27.8
67.5°	1392.8	1771.2	2148.4	2098.0	1976.9	1825.5	1672.8	1593.4	1198.5	610.6	22.7
70°	871.7	1442.0	2012.2	2051.3	1976.9	1810.3	1643.8	1580.7	1153.1	585.4	17.7
72.5°	369.6	1018.1	1666.5	1836.8	1888.6	1727.1	1565.6	1487.4	1055.9	534.9	13.9
75°	146.3	585.4	1024.4	1294.4	1453.3	1385.2	1315.8	1211.1	692.6	352.0	10.1
77.5°	98.4	267.5	436.5	635.8	758.2	784.7	811.2	691.3	276.3	142.6	7.6
80°	65.6	107.2	148.9	228.3	272.5	257.4	241.0	198.1	84.5	45.4	6.3
82.5°	41.6	55.5	69.4	78.2	80.7	58.0	35.3	29.0	10.1	7.6	3.8
85°	27.8	32.8	37.8	39.1	39.1	27.8	15.1	7.6	3.8	3.8	2.5
87.5°	7.6	8.8	8.8	8.8	6.3	5.0	3.8	2.5	2.5	2.5	2.5
90°	3.8	5.0	5.0	5.0	3.8	3.8	2.5	2.5	2.5	2.5	2.5



REPORT NUMBER: P560188

CATALOG NUMBER: SDL-PA1-30-730-U-T2U-HSS

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	418.8	418.8	418.8	418.8	418.8	418.8	418.8	418.8	418.8	418.8	418.8
2.5°	412.5	412.5	411.3	410.0	410.0	408.7	396.1	382.3	369.6	355.8	354.5
5°	388.6	370.9	354.5	338.1	335.6	331.8	331.8	330.5	330.5	329.3	329.3
7.5°	333.1	330.5	328.0	325.5	324.2	321.7	320.4	317.9	316.7	314.1	300.3
10°	252.3	246.0	246.0	244.7	247.3	249.8	248.5	246.0	262.4	278.8	277.5
12.5°	224.6	237.2	225.8	213.2	217.0	219.5	223.3	227.1	225.8	223.3	204.4
15°	225.8	198.1	189.2	179.1	184.2	188.0	155.2	121.1	114.8	108.5	100.9
17.5°	210.7	201.9	195.5	188.0	143.8	98.4	88.3	78.2	69.4	59.3	58.0
20°	213.2	172.8	161.5	148.9	114.8	80.7	61.8	42.9	37.8	32.8	37.8
22.5°	208.2	201.9	147.6	93.4	69.4	45.4	37.8	29.0	31.5	34.1	34.1
25°	195.5	136.2	106.0	75.7	53.0	29.0	30.3	30.3	27.8	24.0	26.5
27.5°	211.9	150.1	95.9	40.4	35.3	29.0	26.5	22.7	22.7	22.7	21.4
30°	244.7	131.2	82.0	32.8	27.8	22.7	21.4	20.2	18.9	16.4	17.7
32.5°	232.1	111.0	69.4	27.8	24.0	20.2	17.7	15.1	15.1	15.1	15.1
35°	210.7	70.6	47.9	24.0	20.2	16.4	15.1	12.6	12.6	12.6	12.6
37.5°	196.8	45.4	32.8	18.9	16.4	13.9	12.6	10.1	10.1	10.1	11.4
40°	185.5	31.5	24.0	16.4	13.9	10.1	8.8	7.6	8.8	8.8	8.8
42.5°	169.0	26.5	20.2	13.9	11.4	8.8	7.6	6.3	7.6	7.6	7.6
45°	147.6	24.0	17.7	11.4	10.1	7.6	6.3	5.0	6.3	6.3	6.3
47.5°	118.6	20.2	15.1	10.1	8.8	6.3	6.3	5.0	5.0	5.0	5.0
50°	92.1	18.9	13.9	8.8	7.6	5.0	5.0	3.8	5.0	5.0	5.0
52.5°	66.9	16.4	12.6	7.6	6.3	3.8	3.8	3.8	3.8	3.8	3.8
55°	47.9	13.9	10.1	6.3	5.0	3.8	3.8	2.5	3.8	3.8	3.8
57.5°	36.6	12.6	8.8	5.0	3.8	2.5	2.5	2.5	2.5	2.5	2.5
60°	29.0	11.4	8.8	5.0	3.8	2.5	2.5	1.3	2.5	2.5	2.5
62.5°	22.7	8.8	7.6	5.0	3.8	2.5	2.5	1.3	2.5	2.5	2.5
65°	17.7	7.6	6.3	3.8	2.5	1.3	1.3	1.3	2.5	2.5	2.5
67.5°	15.1	6.3	5.0	3.8	2.5	1.3	2.5	2.5	2.5	2.5	2.5
70°	12.6	6.3	5.0	3.8	2.5	1.3	2.5	2.5	3.8	3.8	2.5
72.5°	10.1	5.0	3.8	2.5	2.5	1.3	2.5	2.5	3.8	3.8	2.5
75°	7.6	3.8	3.8	2.5	2.5	1.3	2.5	3.8	3.8	3.8	2.5
77.5°	6.3	3.8	3.8	2.5	2.5	1.3	2.5	3.8	3.8	3.8	3.8
80°	5.0	2.5	2.5	2.5	1.3	0.0	2.5	5.0	5.0	3.8	3.8
82.5°	3.8	2.5	2.5	2.5	1.3	0.0	2.5	5.0	5.0	3.8	3.8
85°	2.5	2.5	2.5	2.5	2.5	1.3	3.8	5.0	5.0	3.8	3.8
87.5°	2.5	2.5	2.5	2.5	2.5	1.3	2.5	3.8	3.8	3.8	3.8
90°	2.5	2.5	3.8	3.8	2.5	1.3	2.5	3.8	3.8	3.8	3.8



REPORT NUMBER: P560188
 CATALOG NUMBER: SDL-PA1-30-730-U-T2U-HSS

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	418.8	418.8	418.8	418.8
2.5°	352.0	354.5	355.8	353.2
5°	328.0	328.0	326.7	330.5
7.5°	285.1	277.5	268.7	262.4
10°	275.0	268.7	262.4	263.7
12.5°	184.2	165.3	146.3	152.6
15°	93.4	88.3	83.3	83.3
17.5°	55.5	50.5	44.2	45.4
20°	41.6	41.6	41.6	41.6
22.5°	32.8	31.5	29.0	27.8
25°	27.8	27.8	27.8	27.8
27.5°	20.2	20.2	18.9	17.7
30°	17.7	17.7	17.7	16.4
32.5°	13.9	15.1	15.1	15.1
35°	12.6	12.6	12.6	12.6
37.5°	11.4	11.4	10.1	10.1
40°	8.8	8.8	8.8	8.8
42.5°	7.6	7.6	7.6	7.6
45°	6.3	6.3	6.3	6.3
47.5°	5.0	5.0	5.0	5.0
50°	5.0	5.0	3.8	3.8
52.5°	3.8	3.8	2.5	2.5
55°	2.5	2.5	2.5	2.5
57.5°	2.5	2.5	1.3	1.3
60°	2.5	2.5	1.3	1.3
62.5°	1.3	1.3	1.3	1.3
65°	1.3	1.3	0.0	0.0
67.5°	1.3	1.3	0.0	0.0
70°	1.3	1.3	0.0	0.0
72.5°	1.3	1.3	0.0	0.0
75°	1.3	1.3	0.0	0.0
77.5°	2.5	1.3	0.0	0.0
80°	2.5	2.5	1.3	0.0
82.5°	2.5	2.5	1.3	0.0
85°	2.5	2.5	1.3	0.0
87.5°	2.5	2.5	1.3	0.0
90°	2.5	2.5	1.3	0.0

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