Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P560210

Luminaire Tested: **SDL-PA1-30-740-U-T2U-HSS**

Issue Date: 7/26/2021

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P560210
	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-PA1-30-740-U-T2U-HSS
Description:	Springdale
	(1) 70 CRI, 4000K, 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:	2747 lumens
Efficiency:	N/A
Efficacy:	91.3 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

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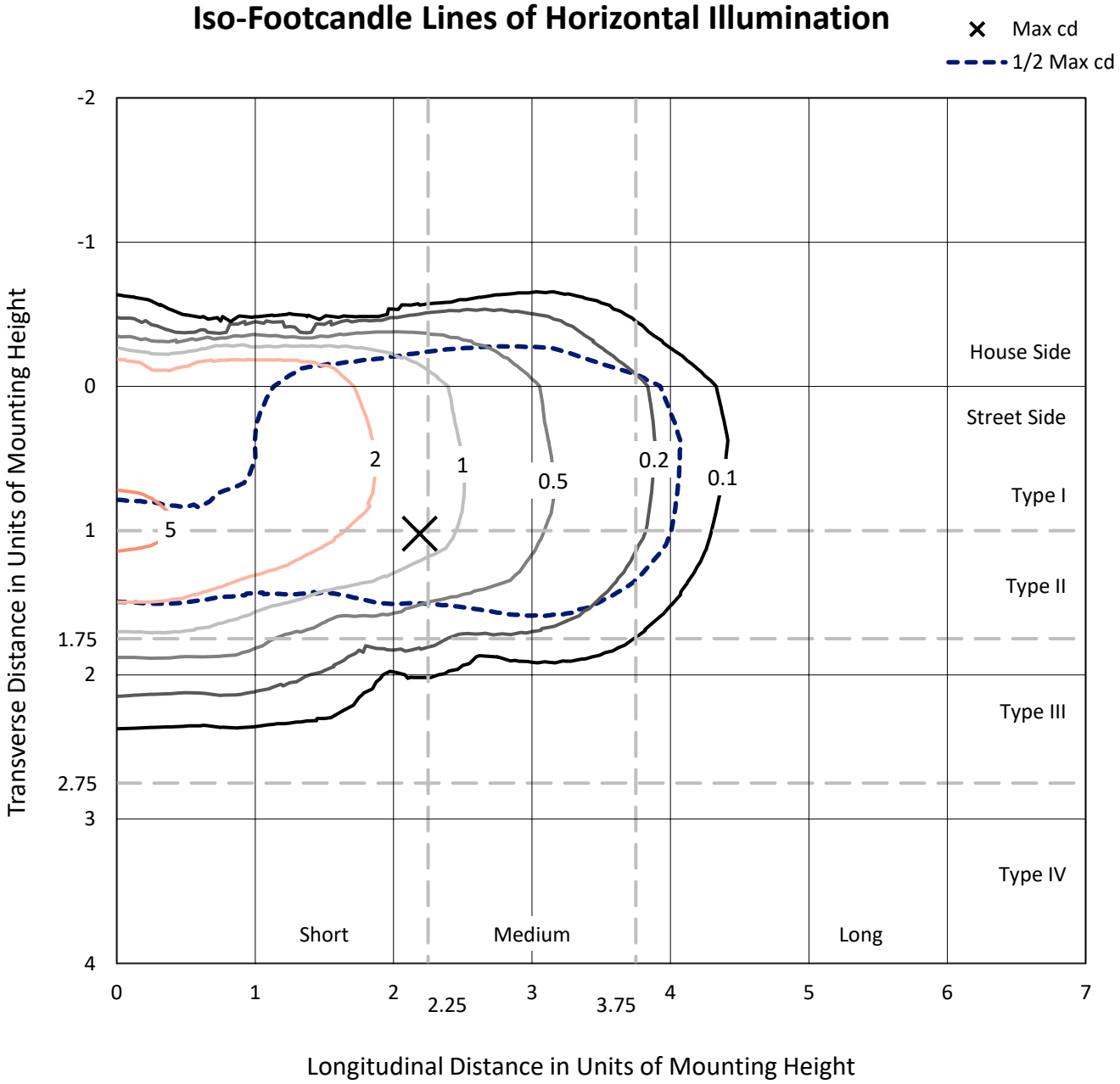
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 6.1 fc
Type II - Short - N/A

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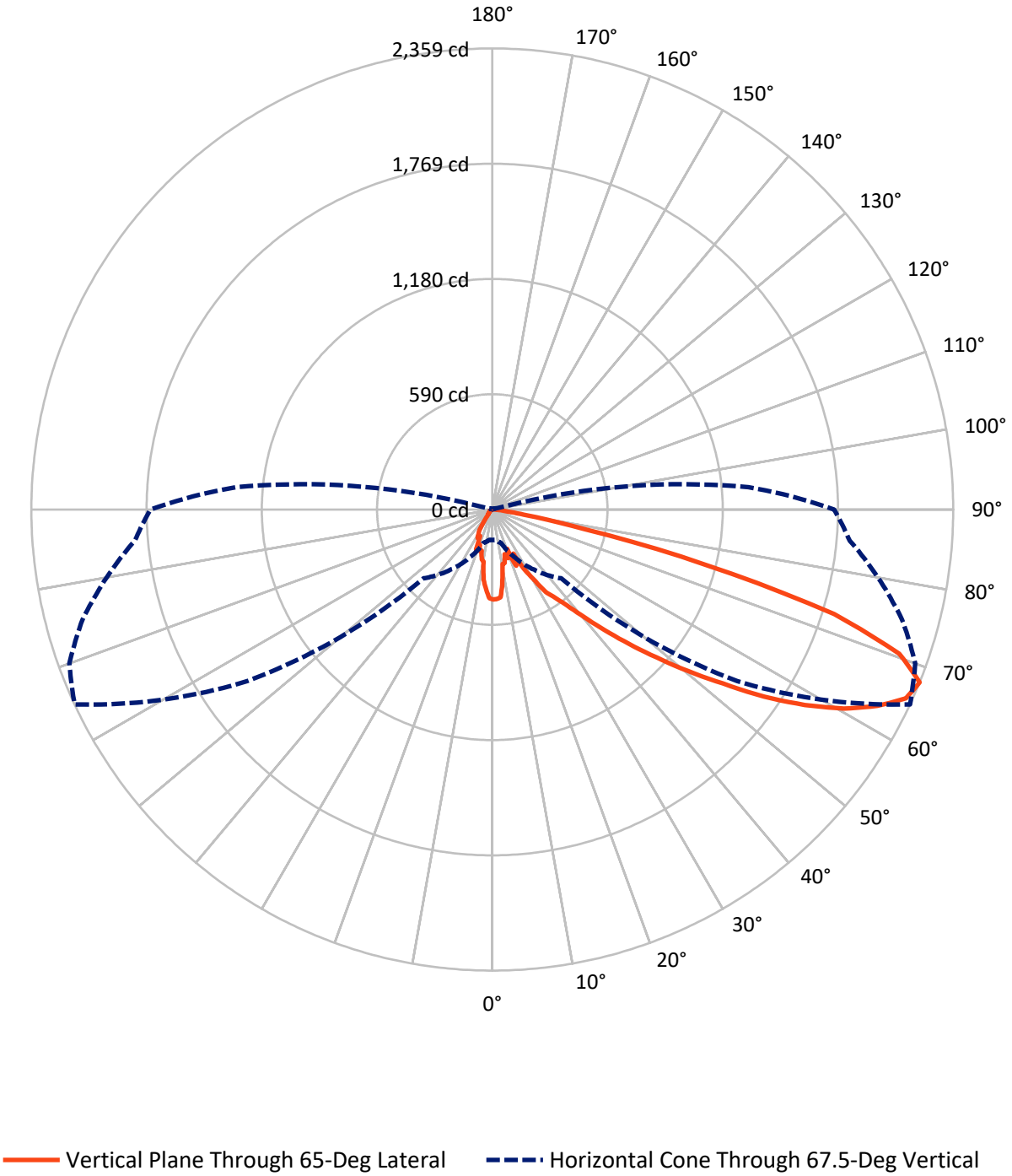
Luminous Intensity Polar Plot



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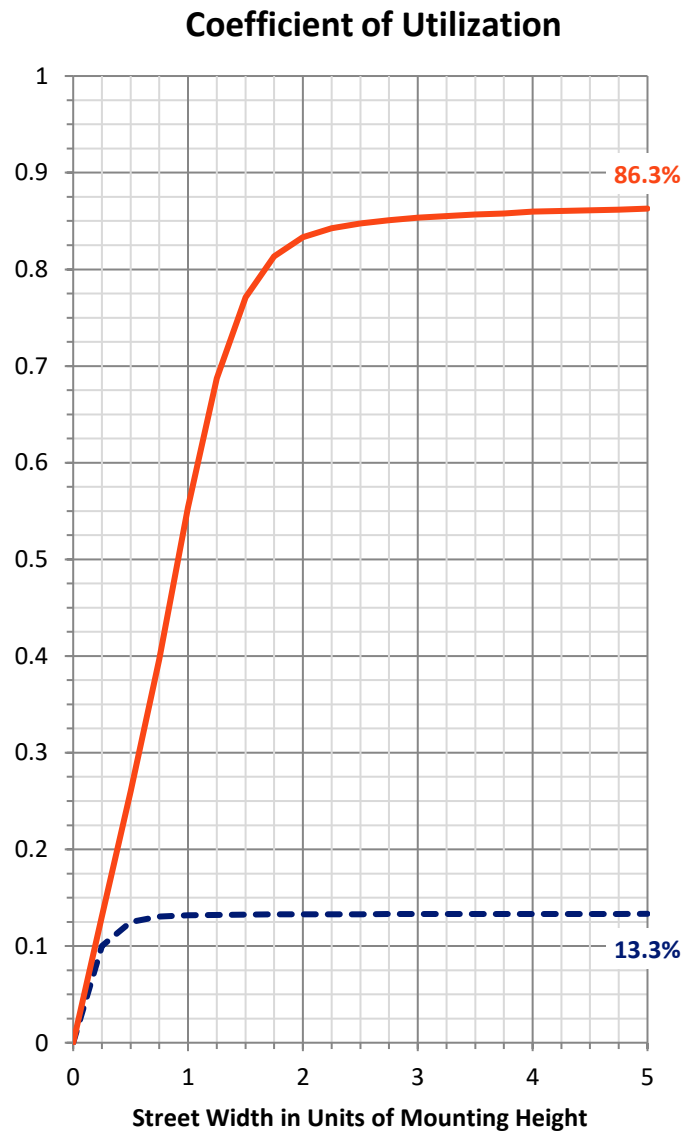
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	371.5	0.0	371.5
	% Fixture	13.5	0.0	13.5
Street Side	Lumens	2375.5	0.0	2375.5
	% Fixture	86.5	0.0	86.5
Total	Lumens	2747.0	0.0	2747.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.3	1.3
10°-20°	68.3	2.5
20°-30°	103.1	3.8
30°-40°	237.5	8.6
40°-50°	521.0	19.0
50°-60°	764.8	27.8
60°-70°	664.3	24.2
70°-80°	329.4	12.0
80°-90°	23.4	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°	2747.0	100.0
0°-180°	2747.0	100.0



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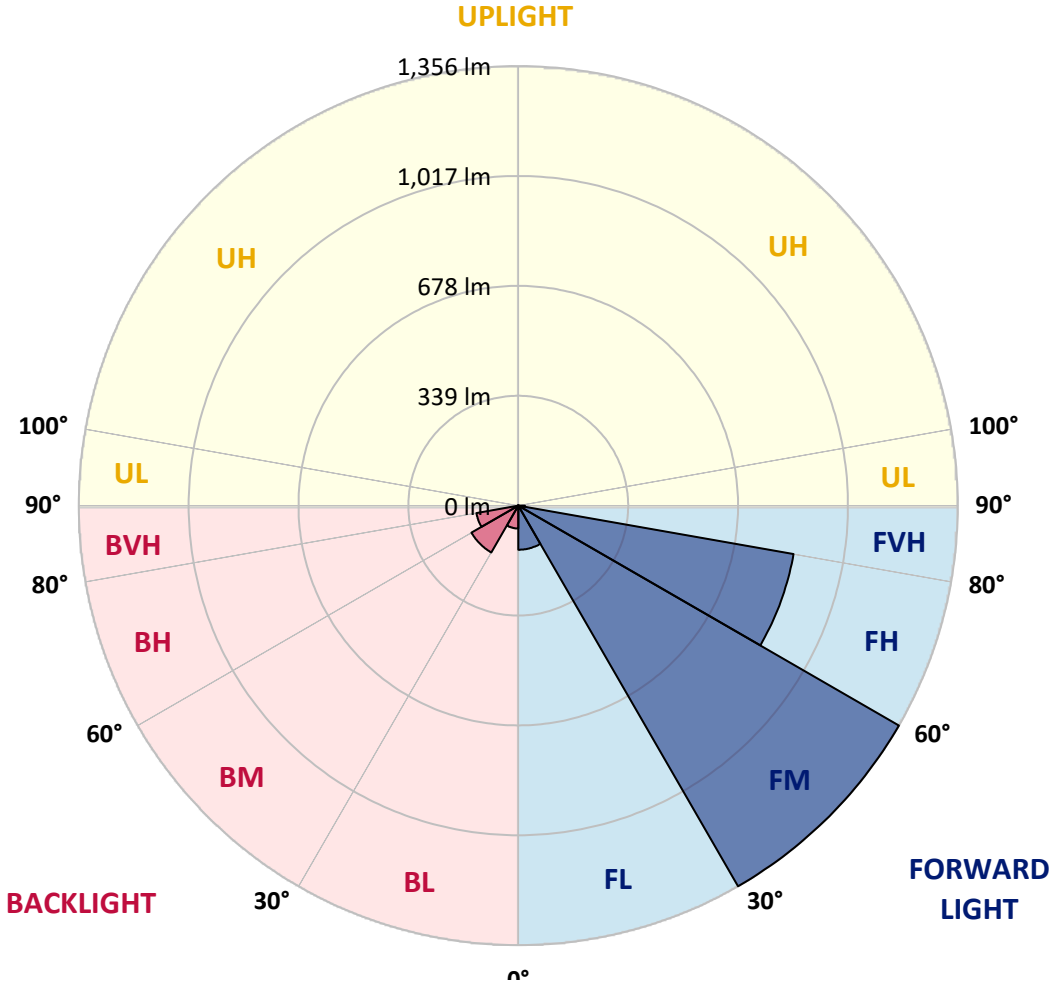
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	136.1	5.0			
FM	(30°-60°)	1356.4	49.4			
FH	(60°-80°)	862.4	31.4			G1/1800
FVH	(80°-90°)	20.6	0.7			G1/100
BL	(0°-30°)	70.6	2.6	B0/110		
BM	(30°-60°)	166.8	6.1	B0/220		
BH	(60°-80°)	131.2	4.8	B1/500		G1/500
BVH	(80°-90°)	2.8	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	459.9	459.9	459.9	459.9	459.9	459.9	459.9	459.9	459.9	459.9	459.9
2.5°	385.1	417.0	426.7	436.4	444.7	453.0	454.4	455.7	458.5	459.9	461.3
5°	376.8	378.2	378.2	376.8	378.2	379.6	379.6	379.6	379.6	379.6	380.9
7.5°	302.0	338.0	349.1	358.8	364.3	368.5	371.2	372.6	374.0	375.4	376.8
10°	364.3	362.9	364.3	364.3	365.7	365.7	333.8	302.0	313.1	322.8	306.1
12.5°	289.5	318.6	331.1	343.5	351.9	358.8	344.9	329.7	300.6	270.1	271.5
15°	349.1	349.1	349.1	349.1	322.8	295.1	277.0	257.7	272.9	286.7	259.0
17.5°	281.2	281.2	306.1	331.1	331.1	329.7	311.7	292.3	253.5	214.7	249.3
20°	347.7	347.7	349.1	350.5	304.8	259.0	274.3	288.1	293.7	299.2	286.7
22.5°	284.0	284.0	288.1	290.9	307.5	324.1	279.8	235.5	271.5	307.5	282.6
25°	367.1	368.5	371.2	372.6	331.1	288.1	307.5	326.9	288.1	249.3	288.1
27.5°	332.5	326.9	326.9	325.5	339.4	351.9	324.1	296.4	321.4	346.3	317.2
30°	466.8	462.7	457.1	451.6	399.0	346.3	347.7	347.7	338.0	328.3	344.9
32.5°	646.9	640.0	592.9	545.8	507.0	468.2	428.0	387.9	401.7	414.2	405.9
35°	868.6	868.6	824.2	779.9	692.6	605.4	537.5	468.2	462.7	457.1	465.4
37.5°	1131.7	1104.0	1051.4	998.8	890.7	781.3	677.4	573.5	561.0	547.2	533.3
40°	1327.1	1322.9	1282.7	1242.6	1109.6	976.6	854.7	731.4	691.2	649.7	619.2
42.5°	1530.7	1515.5	1483.6	1450.4	1316.0	1180.2	1050.0	918.4	863.0	807.6	753.6
45°	1677.5	1673.4	1645.7	1618.0	1508.5	1397.7	1262.0	1124.8	1088.8	1052.8	951.7
47.5°	1769.0	1745.4	1734.3	1721.9	1627.7	1533.5	1418.5	1302.1	1296.6	1289.7	1162.2
50°	1741.3	1720.5	1723.3	1726.0	1680.3	1634.6	1547.3	1458.7	1473.9	1489.1	1383.9
52.5°	1594.4	1576.4	1601.3	1624.9	1623.5	1622.1	1590.3	1557.0	1612.4	1666.5	1594.4
55°	1300.7	1313.2	1363.1	1413.0	1446.2	1478.1	1523.8	1568.1	1673.4	1777.3	1763.4
57.5°	1019.5	1047.2	1098.5	1148.4	1202.4	1255.0	1352.0	1449.0	1626.3	1802.2	1863.2
60°	684.3	702.3	792.4	881.0	930.9	980.8	1086.0	1189.9	1431.0	1670.6	1829.9
62.5°	425.3	435.0	486.2	537.5	638.6	739.7	792.4	843.6	1104.0	1363.1	1658.1
65°	261.8	259.0	279.8	299.2	399.0	497.3	531.9	565.2	738.3	910.1	1368.6
67.5°	*156.5*	*155.1*	*166.2*	*177.3*	*223.0*	*268.7*	*322.8*	*376.8*	*437.7*	*497.3*	*1014.0*
70°	127.4	130.2	134.4	138.5	151.0	163.5	213.3	263.2	261.8	260.4	609.5
72.5°	106.7	109.4	117.7	124.7	134.4	142.7	171.8	199.5	187.0	174.5	290.9
75°	79.0	80.3	91.4	101.1	116.4	130.2	137.1	142.7	137.1	131.6	146.8
77.5°	52.6	52.6	62.3	72.0	87.3	102.5	110.8	119.1	109.4	99.7	103.9
80°	33.2	33.2	38.8	42.9	58.2	73.4	83.1	92.8	84.5	74.8	73.4
82.5°	19.4	20.8	23.5	26.3	36.0	45.7	52.6	59.6	69.3	77.6	62.3
85°	8.3	9.7	12.5	13.9	19.4	23.5	27.7	31.9	40.2	48.5	40.2
87.5°	1.4	1.4	2.8	4.2	5.5	6.9	6.9	6.9	6.9	5.5	6.9
90°	0.0	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	459.9	459.9	*459.9*	459.9	459.9	459.9	459.9	459.9	459.9	459.9	459.9
2.5°	461.3	459.9	*458.5*	458.5	458.5	457.1	455.7	455.7	455.7	454.4	453.0
5°	380.9	415.6	*450.2*	451.6	454.4	453.0	451.6	450.2	448.8	447.4	444.7
7.5°	376.8	374.0	*371.2*	361.6	394.8	394.8	393.4	393.4	390.6	379.6	368.5
10°	288.1	286.7	*284.0*	288.1	295.1	318.6	340.8	339.4	335.2	308.9	282.6
12.5°	272.9	277.0	*281.2*	267.4	241.0	263.2	285.4	282.6	279.8	256.3	231.3
15°	231.3	234.1	*236.9*	259.0	299.2	320.0	339.4	336.6	333.8	306.1	277.0
17.5°	284.0	272.9	*261.8*	277.0	263.2	272.9	282.6	271.5	263.2	252.1	241.0
20°	272.9	243.8	*214.7*	259.0	310.3	326.9	343.5	339.4	331.1	304.8	277.0
22.5°	256.3	285.4	*313.1*	299.2	274.3	259.0	243.8	236.9	231.3	232.7	234.1
25°	325.5	288.1	*249.3*	315.8	356.0	361.6	365.7	353.2	339.4	310.3	279.8
27.5°	286.7	314.5	*340.8*	367.1	380.9	385.1	387.9	405.9	376.8	338.0	299.2
30°	361.6	385.1	*408.6*	466.8	513.9	522.2	530.6	509.8	486.2	439.1	392.0
32.5°	397.6	451.6	*504.2*	531.9	551.3	558.3	565.2	537.5	511.2	450.2	387.9
35°	472.4	512.5	*552.7*	584.6	622.0	623.4	624.7	594.3	561.0	472.4	383.7
37.5°	518.1	570.7	*622.0*	658.0	716.2	712.0	707.9	671.8	631.7	507.0	382.3
40°	587.3	655.2	*721.7*	756.3	827.0	814.5	802.1	760.5	716.2	544.4	372.6
42.5°	699.6	771.6	*843.6*	872.7	950.3	936.4	921.2	865.8	809.0	574.9	340.8
45°	849.2	914.3	*979.4*	1030.6	1091.6	1069.4	1047.2	987.7	904.6	601.2	297.8
47.5°	1033.4	1081.9	*1130.4*	1231.5	1275.8	1231.5	1185.8	1113.7	1008.5	623.4	238.3
50°	1278.6	1289.7	*1299.4*	1425.4	1469.7	1401.9	1334.0	1241.2	1115.1	648.3	180.1
52.5°	1521.0	1500.2	*1478.1*	1613.8	1630.4	1540.4	1449.0	1352.0	1194.1	662.1	128.8
55°	1749.6	1720.5	*1690.0*	1787.0	1775.9	1656.8	1537.6	1419.9	1242.6	666.3	90.0
57.5°	1924.1	1906.1	*1886.7*	1931.0	1889.5	1749.6	1609.7	1491.9	1278.6	673.2	66.5
60°	1987.8	2028.0	*2068.2*	2062.6	1986.4	1838.2	1690.0	1565.3	1300.7	676.0	49.9
62.5°	1953.2	2083.4	*2212.2*	2159.6	2066.8	1910.3	1752.3	1631.8	1310.4	674.6	38.8
65°	1827.1	2077.9	*2327.2*	2239.9	2123.6	1967.1	1810.5	1702.5	1321.5	676.0	30.5
67.5°	*1529.3*	*1944.9*	*2359.1*	*2303.7*	*2170.7*	*2004.5*	*1836.8*	*1749.6*	*1316.0*	*670.5*	*24.9*
70°	957.2	1583.3	*2209.5*	2252.4	2170.7	1987.8	1805.0	1735.7	1266.1	642.8	19.4
72.5°	405.9	1117.9	*1829.9*	2016.9	2073.7	1896.4	1719.1	1633.2	1159.5	587.3	15.2
75°	160.7	642.8	*1124.8*	1421.3	1595.8	1521.0	1444.8	1329.8	760.5	386.5	11.1
77.5°	108.0	293.7	*479.3*	698.2	832.5	861.6	890.7	759.1	303.4	156.5	8.3
80°	72.0	117.7	*163.5*	250.7	299.2	282.6	264.6	217.5	92.8	49.9	6.9
82.5°	45.7	61.0	*76.2*	85.9	88.7	63.7	38.8	31.9	11.1	8.3	4.2
85°	30.5	36.0	*41.6*	42.9	42.9	30.5	16.6	8.3	4.2	4.2	2.8
87.5°	8.3	9.7	*9.7*	9.7	6.9	5.5	4.2	2.8	2.8	2.8	2.8
90°	4.2	5.5	*5.5*	5.5	4.2	4.2	2.8	2.8	2.8	2.8	2.8

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	459.9	459.9	459.9	459.9	459.9	459.9	459.9	459.9	459.9	459.9	459.9
2.5°	453.0	453.0	451.6	450.2	450.2	448.8	435.0	419.7	405.9	390.6	389.3
5°	426.7	407.3	389.3	371.2	368.5	364.3	364.3	362.9	362.9	361.6	361.6
7.5°	365.7	362.9	360.2	357.4	356.0	353.2	351.9	349.1	347.7	344.9	329.7
10°	277.0	270.1	270.1	268.7	271.5	274.3	272.9	270.1	288.1	306.1	304.8
12.5°	246.6	260.4	248.0	234.1	238.3	241.0	245.2	249.3	248.0	245.2	224.4
15°	248.0	217.5	207.8	196.7	202.2	206.4	170.4	133.0	126.1	119.1	110.8
17.5°	231.3	221.6	214.7	206.4	157.9	108.0	97.0	85.9	76.2	65.1	63.7
20°	234.1	189.8	177.3	163.5	126.1	88.7	67.9	47.1	41.6	36.0	41.6
22.5°	228.6	221.6	162.1	102.5	76.2	49.9	41.6	31.9	34.6	37.4	37.4
25°	214.7	149.6	116.4	83.1	58.2	31.9	33.2	33.2	30.5	26.3	29.1
27.5°	232.7	164.8	105.3	44.3	38.8	31.9	29.1	24.9	24.9	24.9	23.5
30°	268.7	144.1	90.0	36.0	30.5	24.9	23.5	22.2	20.8	18.0	19.4
32.5°	254.9	121.9	76.2	30.5	26.3	22.2	19.4	16.6	16.6	16.6	16.6
35°	231.3	77.6	52.6	26.3	22.2	18.0	16.6	13.9	13.9	13.9	13.9
37.5°	216.1	49.9	36.0	20.8	18.0	15.2	13.9	11.1	11.1	11.1	12.5
40°	203.6	34.6	26.3	18.0	15.2	11.1	9.7	8.3	9.7	9.7	9.7
42.5°	185.6	29.1	22.2	15.2	12.5	9.7	8.3	6.9	8.3	8.3	8.3
45°	162.1	26.3	19.4	12.5	11.1	8.3	6.9	5.5	6.9	6.9	6.9
47.5°	130.2	22.2	16.6	11.1	9.7	6.9	6.9	5.5	5.5	5.5	5.5
50°	101.1	20.8	15.2	9.7	8.3	5.5	5.5	4.2	5.5	5.5	5.5
52.5°	73.4	18.0	13.9	8.3	6.9	4.2	4.2	4.2	4.2	4.2	4.2
55°	52.6	15.2	11.1	6.9	5.5	4.2	4.2	2.8	4.2	4.2	4.2
57.5°	40.2	13.9	9.7	5.5	4.2	2.8	2.8	2.8	2.8	2.8	2.8
60°	31.9	12.5	9.7	5.5	4.2	2.8	2.8	1.4	2.8	2.8	2.8
62.5°	24.9	9.7	8.3	5.5	4.2	2.8	2.8	1.4	2.8	2.8	2.8
65°	19.4	8.3	6.9	4.2	2.8	1.4	1.4	1.4	2.8	2.8	2.8
67.5°	*16.6*	*6.9*	*5.5*	*4.2*	*2.8*	*1.4*	*2.8*	*2.8*	*2.8*	*2.8*	*2.8*
70°	13.9	6.9	5.5	4.2	2.8	1.4	2.8	2.8	4.2	4.2	2.8
72.5°	11.1	5.5	4.2	2.8	2.8	1.4	2.8	2.8	4.2	4.2	2.8
75°	8.3	4.2	4.2	2.8	2.8	1.4	2.8	4.2	4.2	4.2	2.8
77.5°	6.9	4.2	4.2	2.8	2.8	1.4	2.8	4.2	4.2	4.2	4.2
80°	5.5	2.8	2.8	2.8	1.4	0.0	2.8	5.5	5.5	4.2	4.2
82.5°	4.2	2.8	2.8	2.8	1.4	0.0	2.8	5.5	5.5	4.2	4.2
85°	2.8	2.8	2.8	2.8	2.8	1.4	4.2	5.5	5.5	4.2	4.2
87.5°	2.8	2.8	2.8	2.8	2.8	1.4	2.8	4.2	4.2	4.2	4.2
90°	2.8	2.8	4.2	4.2	2.8	1.4	2.8	4.2	4.2	4.2	4.2

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CATALOG NUMBER: SDL-PA1-30-740-U-T2U-HSS

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	459.9	459.9	459.9	459.9
2.5°	386.5	389.3	390.6	387.9
5°	360.2	360.2	358.8	362.9
7.5°	313.1	304.8	295.1	288.1
10°	302.0	295.1	288.1	289.5
12.5°	202.2	181.5	160.7	167.6
15°	102.5	97.0	91.4	91.4
17.5°	61.0	55.4	48.5	49.9
20°	45.7	45.7	45.7	45.7
22.5°	36.0	34.6	31.9	30.5
25°	30.5	30.5	30.5	30.5
27.5°	22.2	22.2	20.8	19.4
30°	19.4	19.4	19.4	18.0
32.5°	15.2	16.6	16.6	16.6
35°	13.9	13.9	13.9	13.9
37.5°	12.5	12.5	11.1	11.1
40°	9.7	9.7	9.7	9.7
42.5°	8.3	8.3	8.3	8.3
45°	6.9	6.9	6.9	6.9
47.5°	5.5	5.5	5.5	5.5
50°	5.5	5.5	4.2	4.2
52.5°	4.2	4.2	2.8	2.8
55°	2.8	2.8	2.8	2.8
57.5°	2.8	2.8	1.4	1.4
60°	2.8	2.8	1.4	1.4
62.5°	1.4	1.4	1.4	1.4
65°	1.4	1.4	0.0	0.0
67.5°	*1.4*	*1.4*	*0.0*	*0.0*
70°	1.4	1.4	0.0	0.0
72.5°	1.4	1.4	0.0	0.0
75°	1.4	1.4	0.0	0.0
77.5°	2.8	1.4	0.0	0.0
80°	2.8	2.8	1.4	0.0
82.5°	2.8	2.8	1.4	0.0
85°	2.8	2.8	1.4	0.0
87.5°	2.8	2.8	1.4	0.0
90°	2.8	2.8	1.4	0.0

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