

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: P560546

Luminaire Tested: **SDL-PA1-50-730-U-T4W-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560546
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-11)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-50-730-U-T4W-A
Description: Springdale
(1) 70 CRI, 3000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5405 lumens
Efficiency: N/A
Efficacy: 103.1 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: B1 - U3 - G3

Input Watts (W): 52.4
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

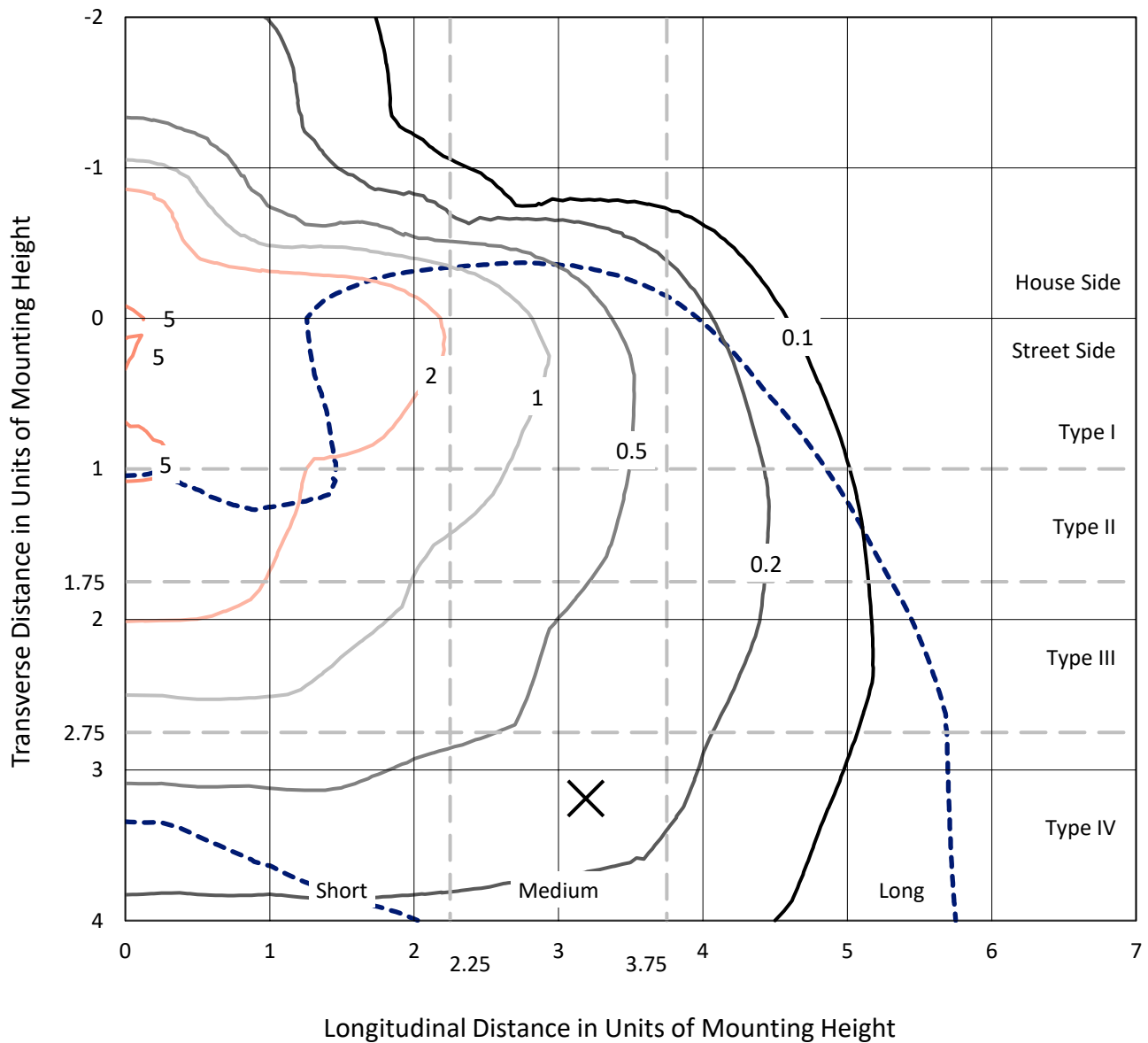


REPORT NUMBER: P560546

CATALOG NUMBER: SDL-PA1-50-730-U-T4W-A

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

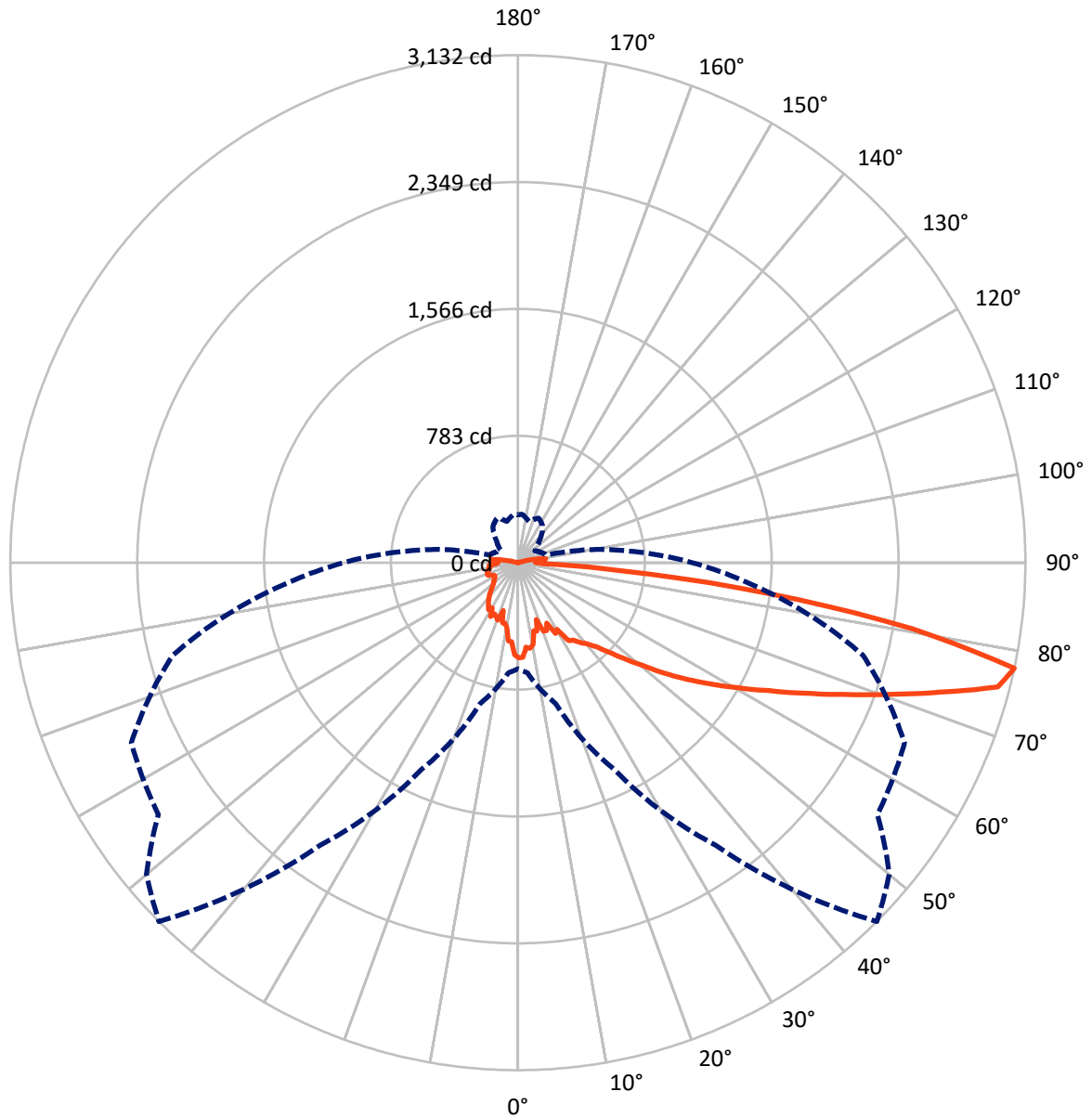


Based on 10 foot mounting height. Maximum calculated value = 5.9 fc
Type IV - Medium - N/A

REPORT NUMBER: P560546

CATALOG NUMBER: SDL-PA1-50-730-U-T4W-A

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 77.5-Deg Vertical

REPORT NUMBER: P560546

CATALOG NUMBER: SDL-PA1-50-730-U-T4W-A

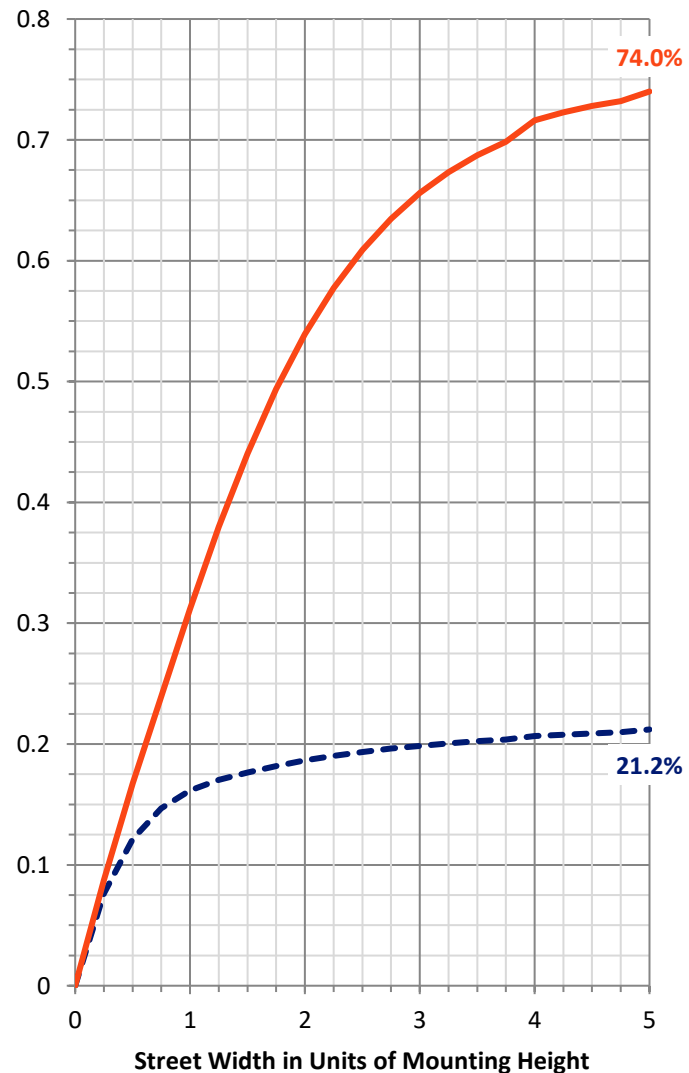
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1209.8	90.2	1300.0
	% Fixture	22.4	1.7	24.1
Street Side	Lumens	4032.0	73.0	4105.0
	% Fixture	74.6	1.4	75.9
Total	Lumens	5241.8	163.2	5405.0
	% Fixture	97.0	3.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.8	0.9
10°-20°	120.8	2.2
20°-30°	209.0	3.9
30°-40°	370.4	6.9
40°-50°	574.1	10.6
50°-60°	924.3	17.1
60°-70°	1359.3	25.1
70°-80°	1308.7	24.2
80°-90°	326.4	6.0
90°-100°	121.7	2.3
100°-110°	27.0	0.5
110°-120°	5.8	0.1
120°-130°	4.8	0.1
130°-140°	2.1	0.0
140°-150°	0.9	0.0
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5241.8	97.0
0°-180°	5405.0	100.0



REPORT NUMBER: P560546

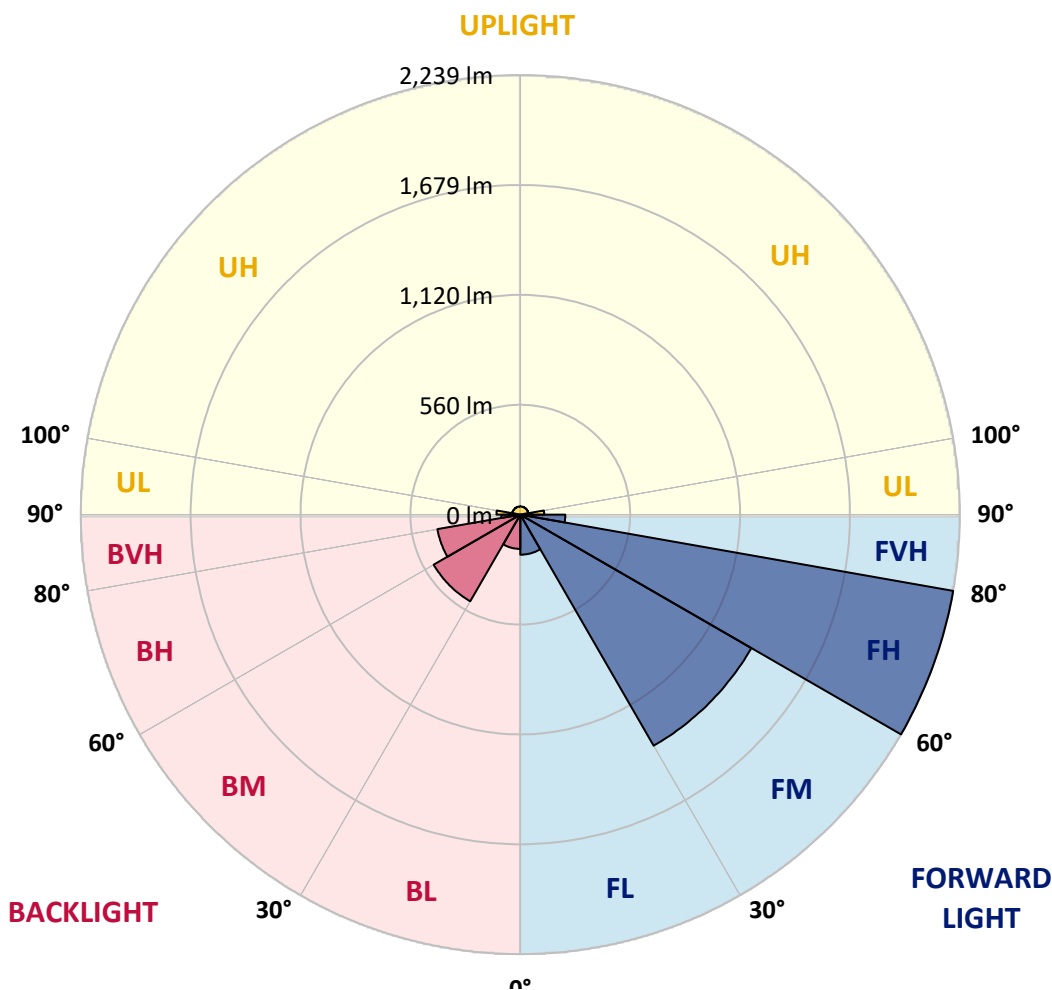
CATALOG NUMBER: SDL-PA1-50-730-U-T4W-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	204.0	3.8			
FM	(30°-60°)	1359.4	25.2			
FH	(60°-80°)	2239.3	41.4			G2/5000
FVH	(80°-90°)	229.2	4.2			G3/500
BL	(0°-30°)	174.6	3.2	B1/500		
BM	(30°-60°)	509.4	9.4	B1/1000		
BH	(60°-80°)	428.7	7.9	B1/500		G1/500
BVH	(80°-90°)	97.1	1.8			G1/100
UL	(90°-100°)	121.7	2.3		U3/500	
UH	(100°-180°)	41.5	0.8		U2/50	

BUG Rating: B1-U3-G3

Type IV Medium





REPORT NUMBER: P560546

CATALOG NUMBER: SDL-PA1-50-730-U-T4W-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	586.8	586.8	586.8	586.8	586.8	586.8	586.8	586.8	586.8	586.8	586.8
2.5°	533.6	584.6	576.1	582.5	582.5	584.6	586.8	586.8	588.9	586.8	586.8
5°	544.3	542.1	537.9	533.6	529.4	523.0	523.0	523.0	574.0	578.3	574.0
7.5°	508.1	552.8	548.5	540.0	540.0	533.6	525.1	516.6	501.7	497.5	503.9
10°	574.0	571.9	565.5	552.8	506.0	514.5	461.3	416.7	399.7	410.3	438.0
12.5°	510.2	546.4	561.3	561.3	501.7	431.6	384.8	410.3	395.4	352.9	384.8
15°	601.7	597.4	580.4	552.8	440.1	438.0	412.4	361.4	367.8	399.7	429.4
17.5°	514.5	514.5	576.1	527.2	452.8	367.8	365.7	406.1	372.0	355.0	372.0
20°	620.8	618.7	599.5	438.0	457.1	450.7	372.0	414.6	355.0	408.2	446.5
22.5°	527.2	523.0	552.8	525.1	435.8	455.0	348.7	393.3	423.1	374.2	346.5
25°	620.8	625.0	616.5	467.7	495.4	412.4	420.9	448.6	389.1	474.1	493.2
27.5°	546.4	546.4	523.0	523.0	459.2	495.4	395.4	420.9	463.5	512.4	601.7
30°	669.7	671.8	656.9	503.9	508.1	476.2	459.2	489.0	557.0	665.4	705.8
32.5°	818.5	818.5	703.7	601.7	510.2	574.0	484.7	533.6	631.4	686.7	739.8
35°	912.0	901.4	850.4	676.1	550.6	586.8	548.5	567.6	654.8	735.6	773.9
37.5°	1046.0	1041.7	990.7	742.0	591.0	625.0	569.8	591.0	697.3	771.7	816.4
40°	1230.9	1209.7	1165.0	856.8	639.9	659.1	595.3	620.8	748.3	818.5	871.7
42.5°	1377.6	1381.9	1350.0	992.8	720.7	708.0	639.9	659.1	803.6	890.8	950.3
45°	1513.7	1509.5	1515.8	1156.5	820.6	786.6	718.6	720.7	873.8	980.1	1060.9
47.5°	1607.2	1605.1	1620.0	1309.6	948.2	886.5	805.7	797.2	954.6	1133.2	1211.8
50°	1719.9	1713.5	1705.0	1473.3	1092.8	995.0	920.6	890.8	1058.7	1305.4	1403.2
52.5°	1858.1	1843.2	1815.6	1600.9	1252.2	1133.2	1050.2	1009.8	1199.1	1498.8	1624.3
55°	1989.9	1968.7	1945.3	1743.3	1398.9	1271.3	1182.0	1158.7	1381.9	1698.7	1860.2
57.5°	2119.6	2109.0	2089.8	1932.5	1586.0	1415.9	1316.0	1311.7	1594.5	1892.1	2113.2
60°	2240.8	2223.8	2249.3	2136.6	1760.3	1569.0	1462.7	1494.6	1828.3	2085.6	2393.9
62.5°	2315.2	2308.8	2364.1	2323.7	1921.9	1739.1	1630.6	1685.9	2053.7	2274.8	2642.6
65°	2204.6	2221.7	2440.6	2440.6	2109.0	1941.0	1834.7	1868.7	2266.3	2466.1	2870.1
67.5°	2002.7	2026.1	2323.7	2506.5	2276.9	2168.5	2058.0	2077.1	2455.5	2621.3	3055.0
70°	1830.5	1847.5	2123.9	2510.8	2383.2	2432.1	2272.7	2255.7	2602.2	2751.0	3123.1
72.5°	1679.5	1702.9	1930.4	2485.3	2487.4	2731.9	2527.8	2425.8	2736.1	2799.9	2906.2
75°	1330.9	1320.2	1577.5	2185.5	2521.4	3059.3	2827.6	2615.0	2802.1	2632.0	2279.1
77.5°	654.8	682.4	899.3	1407.4	2128.1	3131.6	2991.3	2708.5	2632.0	2204.6	1422.3
80°	193.5	199.8	250.9	503.9	1222.4	2466.1	2470.4	2240.8	1979.3	1288.3	642.0
82.5°	108.4	110.6	144.6	219.0	501.7	1562.6	1626.4	1345.8	875.9	476.2	321.0
85°	57.4	59.5	74.4	114.8	255.1	622.9	661.2	514.5	423.1	310.4	236.0
87.5°	27.6	27.6	25.5	38.3	93.5	150.9	168.0	191.3	170.1	159.4	195.6
90°	23.4	23.4	19.1	21.3	51.0	108.4	131.8	146.7	133.9	146.7	214.7
92.5°	25.5	25.5	19.1	21.3	55.3	121.2	144.6	163.7	142.4	157.3	238.1
95°	23.4	25.5	17.0	19.1	55.3	148.8	174.3	178.6	146.7	172.2	255.1
97.5°	19.1	19.1	12.8	14.9	48.9	174.3	191.3	185.0	129.7	131.8	204.1
100°	14.9	14.9	8.5	12.8	34.0	140.3	163.7	155.2	85.0	21.3	51.0
102.5°	12.8	12.8	6.4	10.6	14.9	68.0	87.2	85.0	51.0	12.8	10.6
105°	12.8	12.8	6.4	8.5	8.5	19.1	29.8	38.3	21.3	6.4	10.6
107.5°	12.8	12.8	6.4	4.3	4.3	8.5	10.6	10.6	10.6	6.4	12.8



REPORT NUMBER: P560546

CATALOG NUMBER: SDL-PA1-50-730-U-T4W-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	12.8	12.8	4.3	4.3	2.1	4.3	4.3	4.3	4.3	6.4	12.8
115°	10.6	10.6	2.1	4.3	2.1	2.1	4.3	2.1	4.3	4.3	10.6
117.5°	10.6	8.5	2.1	2.1	2.1	2.1	2.1	2.1	4.3	6.4	12.8
120°	10.6	10.6	4.3	2.1	2.1	2.1	2.1	2.1	4.3	8.5	14.9
122.5°	10.6	10.6	4.3	2.1	0.0	2.1	2.1	2.1	4.3	8.5	17.0
125°	12.8	10.6	4.3	2.1	0.0	0.0	2.1	2.1	2.1	8.5	14.9
127.5°	10.6	8.5	4.3	2.1	0.0	0.0	2.1	2.1	2.1	6.4	12.8
130°	10.6	8.5	4.3	0.0	0.0	0.0	2.1	2.1	2.1	6.4	10.6
132.5°	8.5	6.4	4.3	0.0	0.0	0.0	2.1	2.1	2.1	4.3	8.5
135°	6.4	6.4	2.1	0.0	2.1	0.0	2.1	2.1	2.1	2.1	6.4
137.5°	4.3	4.3	2.1	0.0	0.0	0.0	2.1	2.1	2.1	2.1	2.1
140°	2.1	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1	2.1
142.5°	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1	2.1	2.1
145°	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1
147.5°	2.1	0.0	0.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
150°	6.4	6.4	6.4	4.3	2.1	2.1	2.1	4.3	2.1	2.1	2.1
152.5°	6.4	6.4	6.4	4.3	0.0	0.0	2.1	2.1	4.3	2.1	2.1
155°	4.3	4.3	4.3	0.0	0.0	0.0	2.1	2.1	2.1	4.3	4.3
157.5°	2.1	2.1	2.1	0.0	0.0	0.0	2.1	2.1	2.1	2.1	2.1
160°	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1	2.1
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: P560546

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	586.8	586.8	586.8	586.8	586.8	586.8	586.8	586.8	586.8	586.8	586.8
2.5°	584.6	582.5	580.4	578.3	574.0	569.8	559.1	514.5	514.5	516.6	516.6
5°	574.0	571.9	565.5	525.1	501.7	489.0	493.2	493.2	493.2	495.4	499.6
7.5°	501.7	499.6	469.8	467.7	476.2	486.9	493.2	482.6	461.3	461.3	461.3
10°	438.0	435.8	382.7	372.0	382.7	408.2	474.1	486.9	495.4	497.5	501.7
12.5°	382.7	376.3	329.5	363.5	340.2	382.7	442.2	491.1	446.5	438.0	438.0
15°	425.2	423.1	367.8	318.9	321.0	382.7	350.8	461.3	486.9	491.1	493.2
17.5°	372.0	367.8	338.0	335.9	355.0	308.3	389.1	440.1	418.8	425.2	425.2
20°	444.3	442.2	386.9	321.0	316.8	376.3	344.4	399.7	476.2	491.1	493.2
22.5°	344.4	344.4	355.0	376.3	342.3	359.3	367.8	423.1	408.2	416.7	442.2
25°	489.0	484.7	429.4	338.0	367.8	346.5	384.8	401.8	472.0	489.0	493.2
27.5°	593.2	582.5	461.3	380.6	331.7	372.0	369.9	389.1	399.7	465.6	474.1
30°	699.5	688.8	593.2	427.3	344.4	321.0	352.9	416.7	480.5	491.1	499.6
32.5°	737.7	729.2	605.9	452.8	346.5	342.3	350.8	416.7	527.2	569.8	578.3
35°	778.1	767.5	618.7	442.2	338.0	318.9	331.7	429.4	525.1	552.8	559.1
37.5°	827.0	807.9	633.5	420.9	314.6	301.9	316.8	391.2	499.6	527.2	531.5
40°	888.7	869.5	652.7	397.6	291.3	280.6	289.1	363.5	438.0	461.3	472.0
42.5°	982.2	946.1	661.2	378.4	270.0	259.4	267.9	327.4	384.8	399.7	406.1
45°	1103.4	1039.6	673.9	352.9	250.9	236.0	248.7	299.8	327.4	327.4	327.4
47.5°	1252.2	1150.2	680.3	331.7	227.5	214.7	227.5	272.1	287.0	278.5	276.4
50°	1435.0	1290.5	712.2	306.1	208.3	197.7	219.0	240.2	246.6	250.9	250.9
52.5°	1649.8	1452.1	731.3	280.6	195.6	189.2	210.5	225.4	227.5	231.7	231.7
55°	1883.6	1628.5	742.0	257.2	187.1	178.6	202.0	216.9	216.9	221.1	221.1
57.5°	2126.0	1832.6	769.6	240.2	178.6	170.1	193.5	219.0	210.5	219.0	221.1
60°	2381.1	2021.8	746.2	223.2	165.8	163.7	195.6	233.9	231.7	242.4	244.5
62.5°	2621.3	2172.8	642.0	208.3	157.3	165.8	219.0	263.6	257.2	274.3	274.3
65°	2757.4	2223.8	472.0	199.8	150.9	178.6	242.4	293.4	272.1	280.6	276.4
67.5°	2787.2	2172.8	340.2	189.2	148.8	199.8	259.4	299.8	270.0	278.5	278.5
70°	2717.0	2053.7	274.3	180.7	146.7	202.0	263.6	299.8	272.1	291.3	287.0
72.5°	2400.2	1747.6	233.9	172.2	146.7	197.7	270.0	301.9	278.5	310.4	304.0
75°	1809.2	1307.5	206.2	163.7	138.2	191.3	274.3	304.0	270.0	304.0	299.8
77.5°	1075.8	746.2	182.8	153.1	127.6	185.0	270.0	304.0	263.6	299.8	295.5
80°	455.0	350.8	155.2	133.9	116.9	176.5	265.7	301.9	253.0	291.3	284.9
82.5°	287.0	238.1	131.8	110.6	114.8	174.3	267.9	297.6	248.7	293.4	272.1
85°	231.7	195.6	112.7	93.5	106.3	178.6	257.2	270.0	214.7	253.0	246.6
87.5°	195.6	163.7	51.0	40.4	78.7	138.2	195.6	202.0	155.2	197.7	189.2
90°	214.7	178.6	48.9	34.0	70.2	121.2	180.7	176.5	148.8	189.2	187.1
92.5°	233.9	189.2	46.8	36.1	78.7	131.8	197.7	178.6	157.3	191.3	189.2
95°	242.4	193.5	44.6	38.3	93.5	144.6	210.5	174.3	165.8	176.5	174.3
97.5°	182.8	140.3	42.5	40.4	97.8	163.7	197.7	146.7	108.4	108.4	106.3
100°	46.8	46.8	38.3	38.3	65.9	119.1	150.9	108.4	61.7	46.8	48.9
102.5°	12.8	14.9	34.0	36.1	36.1	53.1	85.0	70.2	40.4	6.4	6.4
105°	12.8	12.8	23.4	27.6	19.1	17.0	34.0	38.3	29.8	4.3	6.4
107.5°	12.8	12.8	10.6	14.9	6.4	8.5	8.5	10.6	10.6	4.3	4.3



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CATALOG NUMBER: SDL-PA1-50-730-U-T4W-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	14.9	12.8	6.4	4.3	4.3	4.3	4.3	4.3	4.3	10.6	10.6
115°	12.8	10.6	6.4	4.3	4.3	4.3	4.3	2.1	4.3	12.8	12.8
117.5°	14.9	12.8	6.4	4.3	2.1	4.3	4.3	2.1	4.3	14.9	14.9
120°	17.0	14.9	6.4	4.3	2.1	2.1	2.1	2.1	6.4	14.9	14.9
122.5°	17.0	17.0	8.5	2.1	2.1	2.1	2.1	2.1	6.4	14.9	14.9
125°	17.0	14.9	6.4	2.1	2.1	2.1	0.0	2.1	6.4	14.9	17.0
127.5°	12.8	12.8	6.4	2.1	2.1	2.1	0.0	2.1	6.4	12.8	14.9
130°	10.6	10.6	4.3	2.1	2.1	2.1	0.0	2.1	6.4	12.8	12.8
132.5°	8.5	8.5	4.3	2.1	2.1	0.0	0.0	0.0	6.4	10.6	10.6
135°	6.4	6.4	2.1	2.1	2.1	0.0	0.0	0.0	4.3	8.5	8.5
137.5°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	2.1	4.3	4.3
140°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	2.1	2.1
142.5°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	2.1	2.1
145°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	2.1
147.5°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	2.1	2.1
150°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	2.1	4.3	2.1	4.3
152.5°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	2.1	4.3	4.3	4.3
155°	4.3	4.3	4.3	2.1	2.1	0.0	0.0	0.0	2.1	4.3	4.3
157.5°	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.1	2.1	2.1	2.1	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



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110°	14.9	14.9	4.3	4.3	4.3	4.3	4.3	4.3	4.3	6.4	12.8
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110°	14.9	12.8	6.4	6.4	4.3	4.3	4.3	4.3	4.3	8.5	8.5
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(END OF REPORT)