

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: P560370

Luminaire Tested: **SDL-PA1-40-730-U-T4W-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560370
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-PA1-40-730-U-T4W-A
Description: Springdale
(1) 70 CRI, 3000K, 500mA 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: 4165.7 lumens
Efficiency: N/A
Efficacy: 105.7 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: B1 - U3 - G2

Input Watts (W): 39.4
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

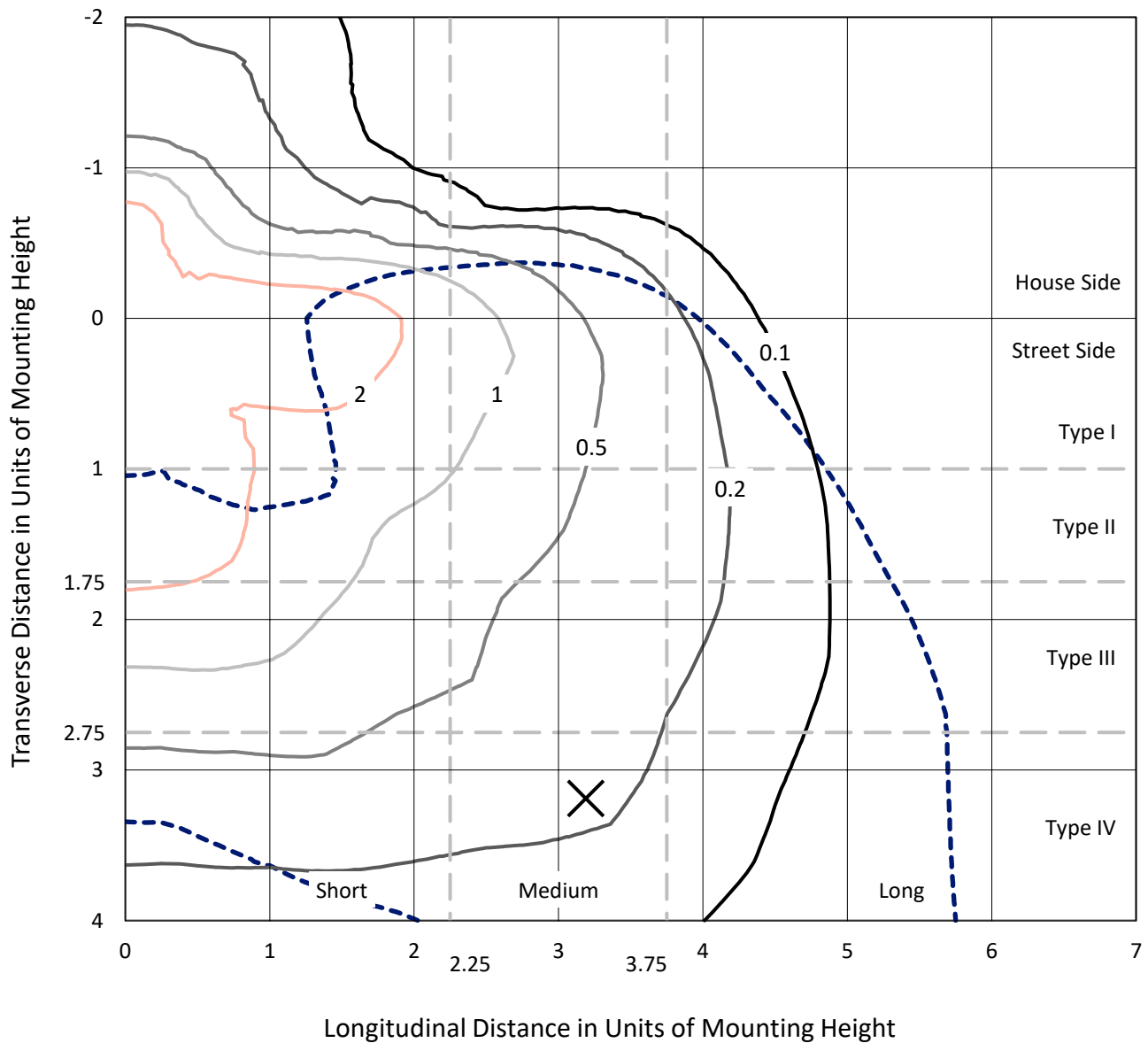


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

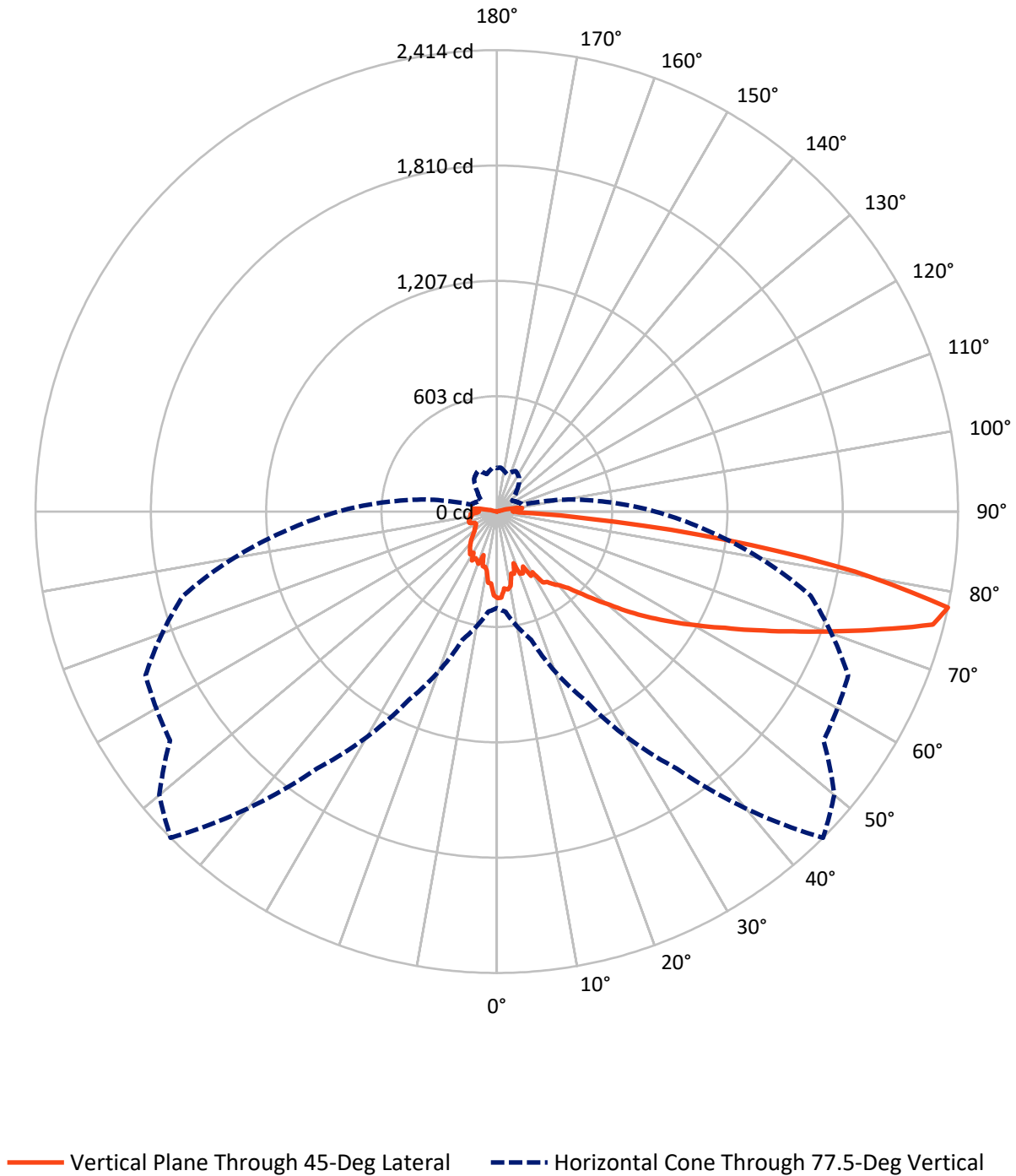


Based on 10 foot mounting height. Maximum calculated value = 4.5 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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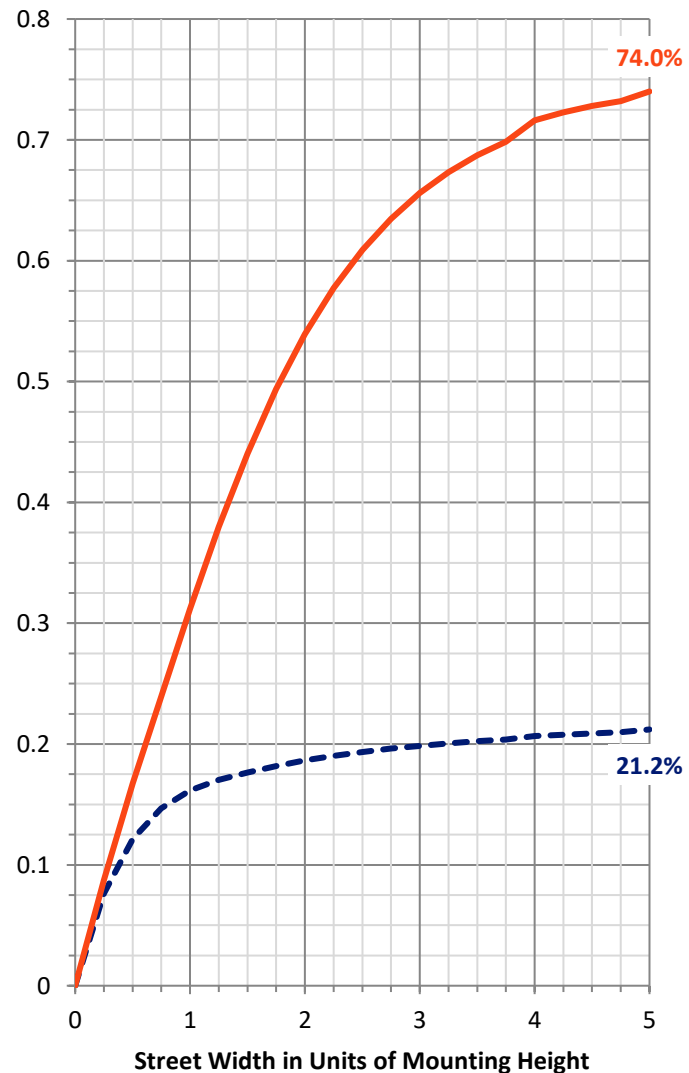
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	932.4	69.5	1001.9
	% Fixture	22.4	1.7	24.1
Street Side	Lumens	3107.6	56.2	3163.8
	% Fixture	74.6	1.4	75.9
Total	Lumens	4039.9	125.8	4165.7
	% Fixture	97.0	3.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.6	0.9
10°-20°	93.1	2.2
20°-30°	161.1	3.9
30°-40°	285.4	6.9
40°-50°	442.5	10.6
50°-60°	712.4	17.1
60°-70°	1047.6	25.1
70°-80°	1008.7	24.2
80°-90°	251.5	6.0
90°-100°	93.8	2.3
100°-110°	20.8	0.5
110°-120°	4.5	0.1
120°-130°	3.7	0.1
130°-140°	1.6	0.0
140°-150°	0.7	0.0
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4039.9	97.0
0°-180°	4165.7	100.0



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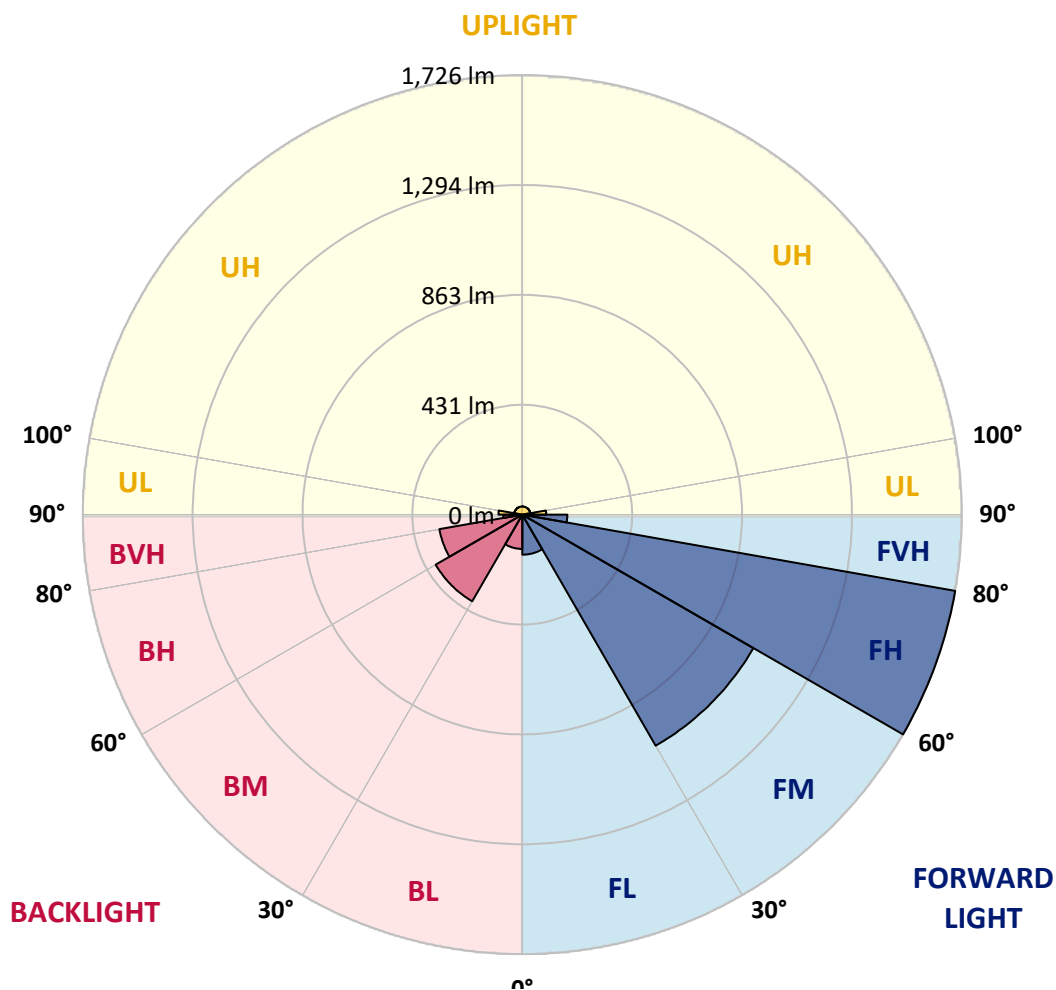
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	157.2	3.8			
FM	(30°-60°)	1047.7	25.2			
FH	(60°-80°)	1725.9	41.4			G1/1800
FVH	(80°-90°)	176.7	4.2			G2/225
BL	(0°-30°)	134.6	3.2	B1/500		
BM	(30°-60°)	392.6	9.4	B1/1000		
BH	(60°-80°)	330.4	7.9	B1/500		G1/500
BVH	(80°-90°)	74.9	1.8			G1/100
UL	(90°-100°)	93.8	2.3		U3/500	
UH	(100°-180°)	32.0	0.8		U2/50	

BUG Rating: B1-U3-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	452.2	452.2	452.2	452.2	452.2	452.2	452.2	452.2	452.2	452.2	452.2
2.5°	411.3	450.6	444.0	449.0	449.0	450.6	452.2	452.2	453.9	452.2	452.2
5°	419.5	417.8	414.6	411.3	408.0	403.1	403.1	403.1	442.4	445.7	442.4
7.5°	391.6	426.0	422.7	416.2	416.2	411.3	404.7	398.2	386.7	383.4	388.3
10°	442.4	440.8	435.9	426.0	390.0	396.5	355.6	321.2	308.0	316.2	337.5
12.5°	393.3	421.1	432.6	432.6	386.7	332.6	296.6	316.2	304.8	272.0	296.6
15°	463.7	460.4	447.3	426.0	339.2	337.5	317.9	278.6	283.5	308.0	331.0
17.5°	396.5	396.5	444.0	406.4	349.0	283.5	281.8	313.0	286.7	273.6	286.7
20°	478.5	476.8	462.1	337.5	352.3	347.4	286.7	319.5	273.6	314.6	344.1
22.5°	406.4	403.1	426.0	404.7	335.9	350.6	268.7	303.1	326.1	288.4	267.1
25°	478.5	481.7	475.2	360.5	381.8	317.9	324.4	345.7	299.9	365.4	380.1
27.5°	421.1	421.1	403.1	403.1	353.9	381.8	304.8	324.4	357.2	394.9	463.7
30°	516.1	517.8	506.3	388.3	391.6	367.0	353.9	376.9	429.3	512.9	544.0
32.5°	630.8	630.8	542.4	463.7	393.3	442.4	373.6	411.3	486.6	529.3	570.2
35°	702.9	694.7	655.4	521.1	424.4	452.2	422.7	437.5	504.7	566.9	596.4
37.5°	806.2	802.9	763.6	571.9	455.5	481.7	439.1	455.5	537.4	594.8	629.2
40°	948.7	932.3	897.9	660.3	493.2	508.0	458.8	478.5	576.8	630.8	671.8
42.5°	1061.8	1065.1	1040.5	765.2	555.5	545.6	493.2	508.0	619.4	686.6	732.4
45°	1166.6	1163.4	1168.3	891.4	632.5	606.3	553.8	555.5	673.4	755.4	817.6
47.5°	1238.7	1237.1	1248.6	1009.3	730.8	683.3	621.0	614.5	735.7	873.3	934.0
50°	1325.6	1320.7	1314.1	1135.5	842.2	766.8	709.5	686.6	816.0	1006.1	1081.4
52.5°	1432.1	1420.6	1399.3	1233.8	965.1	873.3	809.4	778.3	924.1	1155.2	1251.9
55°	1533.7	1517.3	1499.3	1343.6	1078.2	979.9	911.0	893.0	1065.1	1309.2	1433.7
57.5°	1633.6	1625.4	1610.7	1489.4	1222.4	1091.3	1014.3	1011.0	1228.9	1458.3	1628.7
60°	1727.0	1713.9	1733.6	1646.7	1356.7	1209.2	1127.3	1151.9	1409.2	1607.4	1845.0
62.5°	1784.4	1779.5	1822.1	1790.9	1481.2	1340.3	1256.8	1299.4	1582.8	1753.2	2036.7
65°	1699.2	1712.3	1881.1	1881.1	1625.4	1496.0	1414.1	1440.3	1746.7	1900.7	2212.0
67.5°	1543.5	1561.5	1790.9	1931.8	1754.9	1671.3	1586.1	1600.9	1892.5	2020.3	2354.6
70°	1410.8	1423.9	1636.9	1935.1	1836.8	1874.5	1751.6	1738.5	2005.6	2120.3	2407.0
72.5°	1294.5	1312.5	1487.8	1915.5	1917.1	2105.5	1948.2	1869.6	2108.8	2158.0	2239.9
75°	1025.7	1017.5	1215.8	1684.4	1943.3	2357.9	2179.3	2015.4	2159.6	2028.5	1756.5
77.5°	504.7	526.0	693.1	1084.7	1640.2	2413.6	2305.4	2087.5	2028.5	1699.2	1096.2
80°	149.1	154.0	193.3	388.3	942.2	1900.7	1904.0	1727.0	1525.5	993.0	494.8
82.5°	83.6	85.2	111.4	168.8	386.7	1204.3	1253.5	1037.2	675.1	367.0	247.4
85°	44.2	45.9	57.3	88.5	196.6	480.1	509.6	396.5	326.1	239.2	181.9
87.5°	21.3	21.3	19.7	29.5	72.1	116.3	129.4	147.5	131.1	122.9	150.7
90°	18.0	18.0	14.7	16.4	39.3	83.6	101.6	113.1	103.2	113.1	165.5
92.5°	19.7	19.7	14.7	16.4	42.6	93.4	111.4	126.2	109.8	121.3	183.5
95°	18.0	19.7	13.1	14.7	42.6	114.7	134.4	137.6	113.1	132.7	196.6
97.5°	14.7	14.7	9.8	11.5	37.7	134.4	147.5	142.6	100.0	101.6	157.3
100°	11.5	11.5	6.6	9.8	26.2	108.1	126.2	119.6	65.5	16.4	39.3
102.5°	9.8	9.8	4.9	8.2	11.5	52.4	67.2	65.5	39.3	9.8	8.2
105°	9.8	9.8	4.9	6.6	6.6	14.7	22.9	29.5	16.4	4.9	8.2
107.5°	9.8	9.8	4.9	3.3	3.3	6.6	8.2	8.2	8.2	4.9	9.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	9.8	9.8	3.3	3.3	1.6	3.3	3.3	3.3	3.3	4.9	9.8
115°	8.2	8.2	1.6	3.3	1.6	1.6	3.3	1.6	3.3	3.3	8.2
117.5°	8.2	6.6	1.6	1.6	1.6	1.6	1.6	1.6	3.3	4.9	9.8
120°	8.2	8.2	3.3	1.6	1.6	1.6	1.6	1.6	3.3	6.6	11.5
122.5°	8.2	8.2	3.3	1.6	0.0	1.6	1.6	1.6	3.3	6.6	13.1
125°	9.8	8.2	3.3	1.6	0.0	0.0	1.6	1.6	1.6	6.6	11.5
127.5°	8.2	6.6	3.3	1.6	0.0	0.0	1.6	1.6	1.6	4.9	9.8
130°	8.2	6.6	3.3	0.0	0.0	0.0	1.6	1.6	1.6	4.9	8.2
132.5°	6.6	4.9	3.3	0.0	0.0	0.0	1.6	1.6	1.6	3.3	6.6
135°	4.9	4.9	1.6	0.0	1.6	0.0	1.6	1.6	1.6	1.6	4.9
137.5°	3.3	3.3	1.6	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6
140°	1.6	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6
142.5°	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6
145°	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6
147.5°	1.6	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
150°	4.9	4.9	4.9	3.3	1.6	1.6	1.6	3.3	1.6	1.6	1.6
152.5°	4.9	4.9	4.9	3.3	0.0	0.0	1.6	1.6	3.3	1.6	1.6
155°	3.3	3.3	3.3	0.0	0.0	0.0	1.6	1.6	1.6	3.3	3.3
157.5°	1.6	1.6	1.6	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6
160°	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6
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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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	452.2	452.2	452.2	452.2	452.2	452.2	452.2	452.2	452.2	452.2	452.2
2.5°	450.6	449.0	447.3	445.7	442.4	439.1	430.9	396.5	396.5	398.2	398.2
5°	442.4	440.8	435.9	404.7	386.7	376.9	380.1	380.1	380.1	381.8	385.1
7.5°	386.7	385.1	362.1	360.5	367.0	375.2	380.1	372.0	355.6	355.6	355.6
10°	337.5	335.9	294.9	286.7	294.9	314.6	365.4	375.2	381.8	383.4	386.7
12.5°	294.9	290.0	254.0	280.2	262.2	294.9	340.8	378.5	344.1	337.5	337.5
15°	327.7	326.1	283.5	245.8	247.4	294.9	270.4	355.6	375.2	378.5	380.1
17.5°	286.7	283.5	260.5	258.9	273.6	237.6	299.9	339.2	322.8	327.7	327.7
20°	342.5	340.8	298.2	247.4	244.1	290.0	265.4	308.0	367.0	378.5	380.1
22.5°	265.4	265.4	273.6	290.0	263.8	276.9	283.5	326.1	314.6	321.2	340.8
25°	376.9	373.6	331.0	260.5	283.5	267.1	296.6	309.7	363.8	376.9	380.1
27.5°	457.2	449.0	355.6	293.3	255.6	286.7	285.1	299.9	308.0	358.8	365.4
30°	539.1	530.9	457.2	329.3	265.4	247.4	272.0	321.2	370.3	378.5	385.1
32.5°	568.6	562.0	467.0	349.0	267.1	263.8	270.4	321.2	406.4	439.1	445.7
35°	599.7	591.5	476.8	340.8	260.5	245.8	255.6	331.0	404.7	426.0	430.9
37.5°	637.4	622.6	488.3	324.4	242.5	232.7	244.1	301.5	385.1	406.4	409.6
40°	684.9	670.2	503.0	306.4	224.5	216.3	222.8	280.2	337.5	355.6	363.8
42.5°	757.0	729.2	509.6	291.7	208.1	199.9	206.5	252.3	296.6	308.0	313.0
45°	850.4	801.3	519.4	272.0	193.3	181.9	191.7	231.0	252.3	252.3	252.3
47.5°	965.1	886.5	524.3	255.6	175.3	165.5	175.3	209.7	221.2	214.6	213.0
50°	1106.0	994.6	548.9	236.0	160.6	152.4	168.8	185.2	190.1	193.3	193.3
52.5°	1271.5	1119.1	563.7	216.3	150.7	145.8	162.2	173.7	175.3	178.6	178.6
55°	1451.8	1255.1	571.9	198.3	144.2	137.6	155.7	167.1	167.1	170.4	170.4
57.5°	1638.5	1412.4	593.2	185.2	137.6	131.1	149.1	168.8	162.2	168.8	170.4
60°	1835.2	1558.3	575.1	172.0	127.8	126.2	150.7	180.2	178.6	186.8	188.4
62.5°	2020.3	1674.6	494.8	160.6	121.3	127.8	168.8	203.2	198.3	211.4	211.4
65°	2125.2	1713.9	363.8	154.0	116.3	137.6	186.8	226.1	209.7	216.3	213.0
67.5°	2148.1	1674.6	262.2	145.8	114.7	154.0	199.9	231.0	208.1	214.6	214.6
70°	2094.1	1582.8	211.4	139.3	113.1	155.7	203.2	231.0	209.7	224.5	221.2
72.5°	1849.9	1346.9	180.2	132.7	113.1	152.4	208.1	232.7	214.6	239.2	234.3
75°	1394.4	1007.7	158.9	126.2	106.5	147.5	211.4	234.3	208.1	234.3	231.0
77.5°	829.1	575.1	140.9	118.0	98.3	142.6	208.1	234.3	203.2	231.0	227.8
80°	350.6	270.4	119.6	103.2	90.1	136.0	204.8	232.7	195.0	224.5	219.6
82.5°	221.2	183.5	101.6	85.2	88.5	134.4	206.5	229.4	191.7	226.1	209.7
85°	178.6	150.7	86.8	72.1	81.9	137.6	198.3	208.1	165.5	195.0	190.1
87.5°	150.7	126.2	39.3	31.1	60.6	106.5	150.7	155.7	119.6	152.4	145.8
90°	165.5	137.6	37.7	26.2	54.1	93.4	139.3	136.0	114.7	145.8	144.2
92.5°	180.2	145.8	36.0	27.9	60.6	101.6	152.4	137.6	121.3	147.5	145.8
95°	186.8	149.1	34.4	29.5	72.1	111.4	162.2	134.4	127.8	136.0	134.4
97.5°	140.9	108.1	32.8	31.1	75.4	126.2	152.4	113.1	83.6	83.6	81.9
100°	36.0	36.0	29.5	29.5	50.8	91.8	116.3	83.6	47.5	36.0	37.7
102.5°	9.8	11.5	26.2	27.9	27.9	41.0	65.5	54.1	31.1	4.9	4.9
105°	9.8	9.8	18.0	21.3	14.7	13.1	26.2	29.5	22.9	3.3	4.9
107.5°	9.8	9.8	8.2	11.5	4.9	6.6	6.6	8.2	8.2	3.3	3.3



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CATALOG NUMBER: SDL-PA1-40-730-U-T4W-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	11.5	9.8	4.9	3.3	3.3	3.3	3.3	3.3	3.3	8.2	8.2
115°	9.8	8.2	4.9	3.3	3.3	3.3	3.3	1.6	3.3	9.8	9.8
117.5°	11.5	9.8	4.9	3.3	1.6	3.3	3.3	1.6	3.3	11.5	11.5
120°	13.1	11.5	4.9	3.3	1.6	1.6	1.6	1.6	4.9	11.5	11.5
122.5°	13.1	13.1	6.6	1.6	1.6	1.6	1.6	1.6	4.9	11.5	11.5
125°	13.1	11.5	4.9	1.6	1.6	1.6	0.0	1.6	4.9	11.5	13.1
127.5°	9.8	9.8	4.9	1.6	1.6	1.6	0.0	1.6	4.9	9.8	11.5
130°	8.2	8.2	3.3	1.6	1.6	1.6	0.0	1.6	4.9	9.8	9.8
132.5°	6.6	6.6	3.3	1.6	1.6	0.0	0.0	0.0	4.9	8.2	8.2
135°	4.9	4.9	1.6	1.6	1.6	0.0	0.0	0.0	3.3	6.6	6.6
137.5°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	1.6	3.3	3.3
140°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	1.6	1.6
142.5°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	1.6	1.6
145°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	1.6
147.5°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	1.6	1.6
150°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	1.6	3.3	1.6	3.3
152.5°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	1.6	3.3	3.3	3.3
155°	3.3	3.3	3.3	1.6	1.6	0.0	0.0	0.0	1.6	3.3	3.3
157.5°	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.6	1.6	1.6	1.6	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



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110°	11.5	11.5	3.3	3.3	3.3	3.3	3.3	3.3	3.3	4.9	9.8
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110°	11.5	9.8	4.9	4.9	3.3	3.3	3.3	3.3	3.3	6.6	6.6
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(END OF REPORT)