

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: P560704

Luminaire Tested: **SDL-PA1-60-730-U-5WQ-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560704
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-22)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-60-730-U-5WQ-A
Description: Springdale
(1) 70 CRI, 3000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6582 lumens
Efficiency: N/A
Efficacy: 105.5 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type V - Short
BUG Rating: B3 - U3 - G3

Input Watts (W): 62.4
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

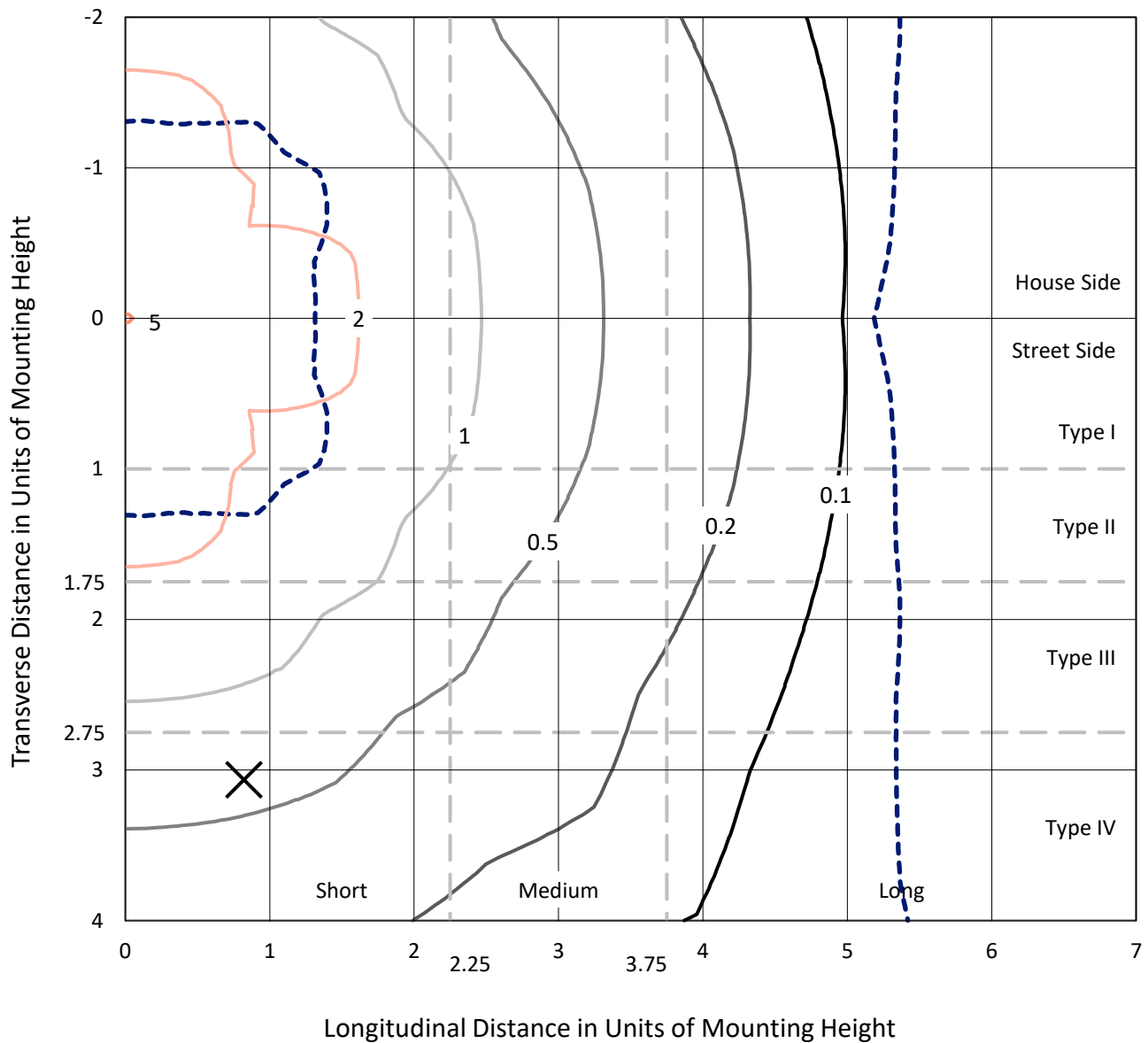


REPORT NUMBER: P560704

CATALOG NUMBER: SDL-PA1-60-730-U-5WQ-A

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

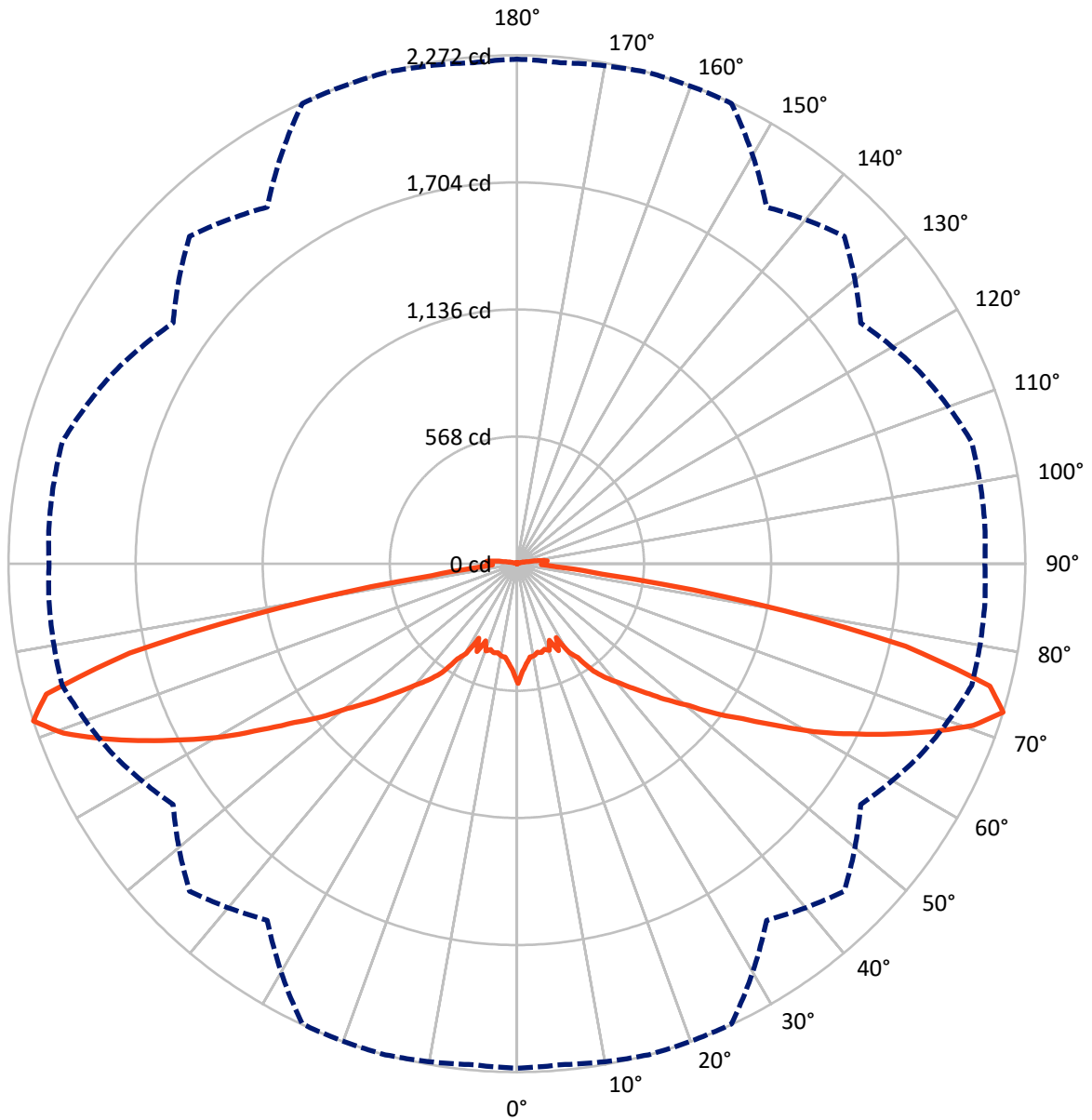


Based on 10 foot mounting height. Maximum calculated value = 5.4 fc
 Type V - Short - N/A

REPORT NUMBER: P560704

CATALOG NUMBER: SDL-PA1-60-730-U-5WQ-A

Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P560704

CATALOG NUMBER: SDL-PA1-60-730-U-5WQ-A

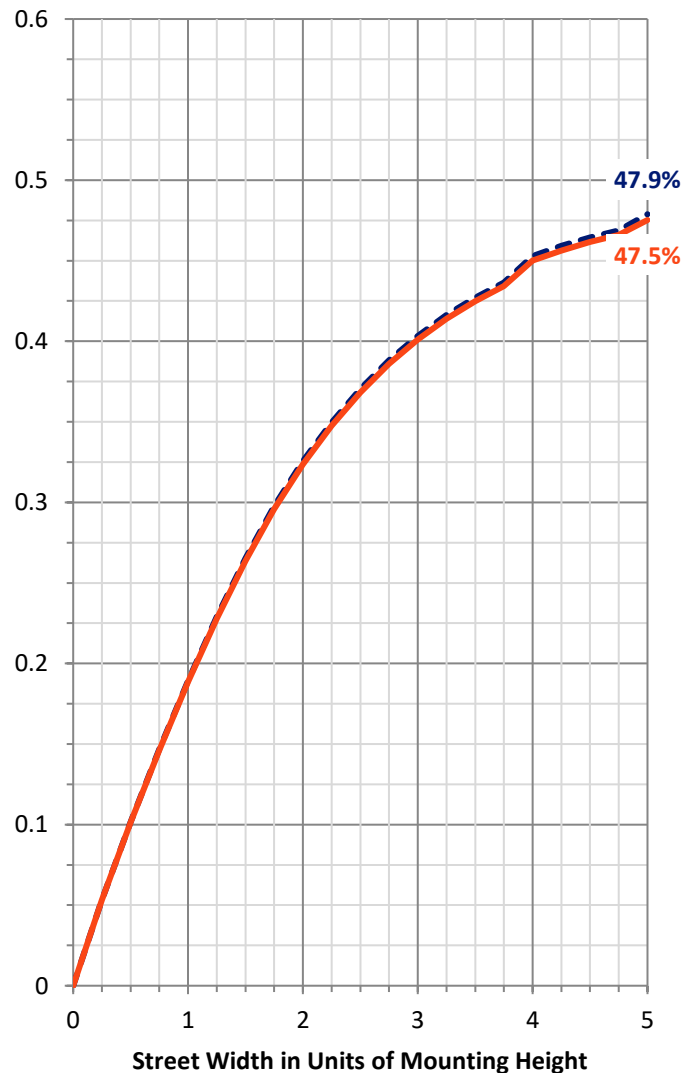
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3191.0	100.0	3291.0
	% Fixture	48.5	1.5	50.0
Street Side	Lumens	3191.0	100.0	3291.0
	% Fixture	48.5	1.5	50.0
Total	Lumens	6382.1	199.9	6582.0
	% Fixture	97.0	3.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.2	0.6
10°-20°	97.1	1.5
20°-30°	170.5	2.6
30°-40°	329.2	5.0
40°-50°	572.1	8.7
50°-60°	1008.1	15.3
60°-70°	1703.2	25.9
70°-80°	2002.2	30.4
80°-90°	457.6	7.0
90°-100°	151.0	2.3
100°-110°	35.6	0.5
110°-120°	5.8	0.1
120°-130°	4.6	0.1
130°-140°	1.9	0.0
140°-150°	0.4	0.0
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6382.1	97.0
0°-180°	6582.0	100.0



REPORT NUMBER: P560704

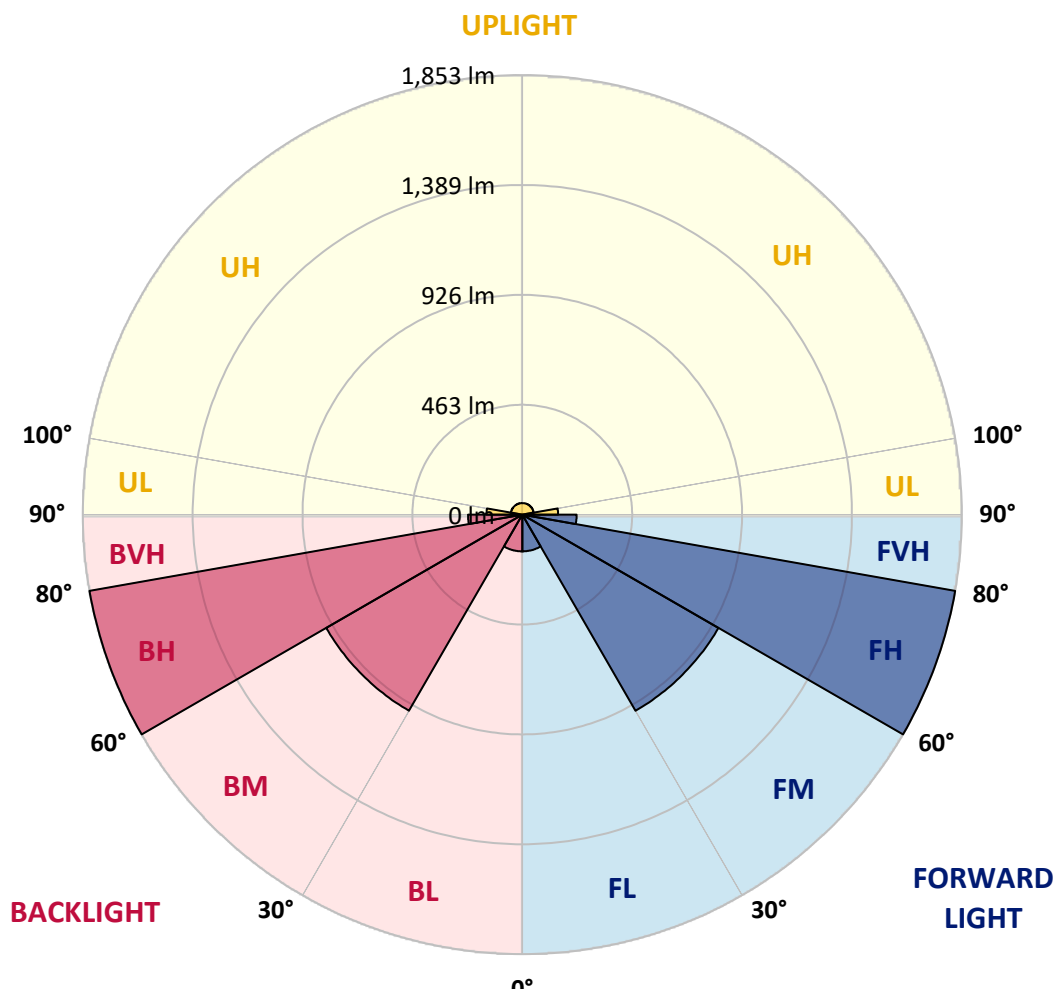
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	154.9	2.4			
FM	(30°-60°)	954.7	14.5			
FH	(60°-80°)	1852.7	28.1			G2/5000
FVH	(80°-90°)	228.8	3.5			G3/500
BL	(0°-30°)	154.9	2.4	B1/500		
BM	(30°-60°)	954.7	14.5	B1/1000		
BH	(60°-80°)	1852.7	28.1	B3/2500		G2/5000
BVH	(80°-90°)	228.8	3.5			G3/500
UL	(90°-100°)	151.0	2.3		U3/500	
UH	(100°-180°)	48.9	0.7		U2/50	

BUG Rating: B3-U3-G3

Type V Short



REPORT NUMBER: P560704

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	535.2	535.2	535.2	535.2	535.2	535.2	535.2	535.2	535.2	535.2	535.2
2.5°	473.2	483.1	480.6	498.0	512.9	517.8	527.7	527.7	530.2	530.2	530.2
5°	448.4	448.4	448.4	448.4	448.4	446.0	455.9	500.5	515.3	517.8	515.3
7.5°	389.0	401.4	421.2	428.6	436.1	433.6	428.6	401.4	443.5	448.4	450.9
10°	418.7	418.7	418.7	413.8	393.9	376.6	356.8	336.9	344.4	389.0	389.0
12.5°	371.6	369.2	406.3	411.3	374.1	327.0	312.2	319.6	297.3	339.4	339.4
15°	418.7	418.7	411.3	386.5	309.7	327.0	277.5	280.0	317.1	366.7	366.7
17.5°	356.8	359.2	401.4	376.6	336.9	262.6	307.2	277.5	284.9	312.2	314.7
20°	426.1	426.1	413.8	322.1	317.1	327.0	282.4	275.0	317.1	366.7	369.2
22.5°	366.7	366.7	371.6	374.1	327.0	322.1	282.4	319.6	299.8	299.8	334.5
25°	443.5	443.5	431.1	341.9	359.2	312.2	327.0	299.8	366.7	403.8	403.8
27.5°	389.0	389.0	374.1	389.0	346.9	371.6	327.0	354.3	393.9	475.7	480.6
30°	473.2	473.2	460.8	386.5	384.0	361.7	364.2	411.3	507.9	559.9	559.9
32.5°	574.8	577.3	500.5	443.5	389.0	416.2	396.4	468.3	530.2	584.7	587.2
35°	616.9	616.9	589.7	515.3	423.7	438.5	431.1	495.5	569.8	614.4	614.4
37.5°	666.5	666.5	646.6	552.5	465.8	485.6	450.9	532.7	614.4	654.1	649.1
40°	718.5	711.1	698.7	592.1	510.4	515.3	485.6	572.3	656.6	696.2	696.2
42.5°	782.9	782.9	760.6	659.0	555.0	562.4	517.8	621.9	718.5	765.6	768.0
45°	854.8	852.3	830.0	733.4	609.5	621.9	572.3	688.8	795.3	839.9	844.8
47.5°	939.0	939.0	911.7	812.6	678.9	691.2	634.3	755.7	889.4	929.1	934.0
50°	1028.2	1020.8	996.0	904.3	770.5	765.6	703.6	830.0	988.5	1015.8	1025.7
52.5°	1132.2	1122.3	1112.4	1008.4	872.1	874.6	792.8	909.3	1102.5	1117.4	1122.3
55°	1236.3	1228.9	1221.4	1137.2	983.6	998.5	911.7	1018.3	1216.5	1226.4	1236.3
57.5°	1352.7	1360.2	1360.2	1280.9	1109.9	1147.1	1040.6	1154.5	1352.7	1345.3	1342.8
60°	1521.2	1506.4	1523.7	1451.9	1283.4	1313.1	1199.1	1320.5	1484.1	1454.3	1446.9
62.5°	1657.5	1655.0	1674.8	1642.6	1444.4	1518.7	1355.2	1479.1	1607.9	1583.2	1585.6
65°	1813.6	1811.1	1835.9	1821.0	1612.9	1707.0	1526.2	1657.5	1756.6	1729.3	1724.4
67.5°	1964.7	1972.1	2001.9	2021.7	1749.2	1870.6	1689.7	1826.0	1902.8	1858.2	1863.1
70°	2150.5	2138.1	2162.9	2165.4	1860.6	1989.5	1816.1	1932.5	2026.6	1996.9	1992.0
72.5°	2254.6	2247.1	2271.9	2269.4	1944.9	2068.8	1875.5	1999.4	2103.5	2098.5	2091.1
75°	2140.6	2150.5	2182.7	2227.3	1949.8	2113.4	1868.1	1954.8	2036.6	2009.3	2001.9
77.5°	1679.8	1699.6	1776.4	1920.1	1818.5	2096.0	1736.8	1714.5	1731.8	1699.6	1679.8
80°	891.9	909.3	1072.8	1318.1	1459.3	1821.0	1459.3	1246.2	1062.9	931.6	820.1
82.5°	284.9	307.2	384.0	607.0	921.7	1268.5	844.8	478.2	329.5	282.4	265.1
85°	156.1	161.0	173.4	235.4	324.6	512.9	344.4	203.2	178.4	171.0	168.5
87.5°	131.3	133.8	109.0	133.8	156.1	161.0	156.1	111.5	114.0	126.4	123.9
90°	138.7	138.7	111.5	131.3	156.1	158.6	156.1	116.4	114.0	133.8	131.3
92.5°	151.1	151.1	126.4	141.2	173.4	168.5	168.5	121.4	126.4	143.7	143.7
95°	161.0	158.6	136.3	143.7	183.3	188.3	183.3	128.8	136.3	156.1	156.1
97.5°	118.9	114.0	99.1	128.8	173.4	198.2	183.3	121.4	106.5	118.9	116.4
100°	57.0	54.5	52.0	96.6	136.3	151.1	131.3	86.7	47.1	29.7	29.7
102.5°	12.4	12.4	34.7	66.9	79.3	79.3	71.8	59.5	29.7	9.9	9.9
105°	9.9	12.4	24.8	37.2	39.6	22.3	34.7	37.2	17.3	9.9	9.9
107.5°	9.9	12.4	9.9	12.4	12.4	9.9	12.4	14.9	7.4	9.9	9.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	12.4	12.4	5.0	5.0	5.0	5.0	5.0	5.0	5.0	9.9	12.4
115°	9.9	9.9	5.0	5.0	5.0	5.0	2.5	5.0	5.0	9.9	9.9
117.5°	9.9	9.9	5.0	2.5	2.5	2.5	2.5	5.0	5.0	9.9	12.4
120°	12.4	9.9	5.0	2.5	2.5	2.5	2.5	2.5	7.4	12.4	12.4
122.5°	12.4	12.4	5.0	2.5	2.5	2.5	2.5	2.5	7.4	12.4	14.9
125°	12.4	9.9	5.0	2.5	2.5	2.5	2.5	2.5	5.0	12.4	12.4
127.5°	9.9	9.9	5.0	2.5	2.5	2.5	2.5	2.5	5.0	9.9	12.4
130°	9.9	9.9	5.0	2.5	2.5	2.5	2.5	2.5	5.0	9.9	9.9
132.5°	7.4	7.4	5.0	2.5	2.5	0.0	2.5	2.5	5.0	7.4	7.4
135°	5.0	5.0	2.5	0.0	2.5	0.0	2.5	0.0	2.5	5.0	7.4
137.5°	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5
140°	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	2.5	0.0	2.5	2.5	2.5	0.0	0.0	0.0	0.0	2.5
150°	2.5	2.5	5.0	2.5	2.5	0.0	2.5	2.5	0.0	0.0	2.5
152.5°	5.0	5.0	5.0	2.5	0.0	0.0	2.5	2.5	2.5	2.5	2.5
155°	2.5	2.5	2.5	0.0	0.0	0.0	0.0	2.5	2.5	5.0	5.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5
160°	0.0	0.0	0.0	0.0	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



--- HS --- SS

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110°	12.4	12.4	5.0	5.0	5.0	5.0	5.0	5.0	5.0	9.9	12.4
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