

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: P561012

Luminaire Tested: **SDL-PA1-80-722-U-5WQ-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561012
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-PA1-80-722-U-5WQ-A
Description: Springdale
(1) 70 CRI, 2200K, 1050mA 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: 6614.2 lumens
Efficiency: N/A
Efficacy: 80.7 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

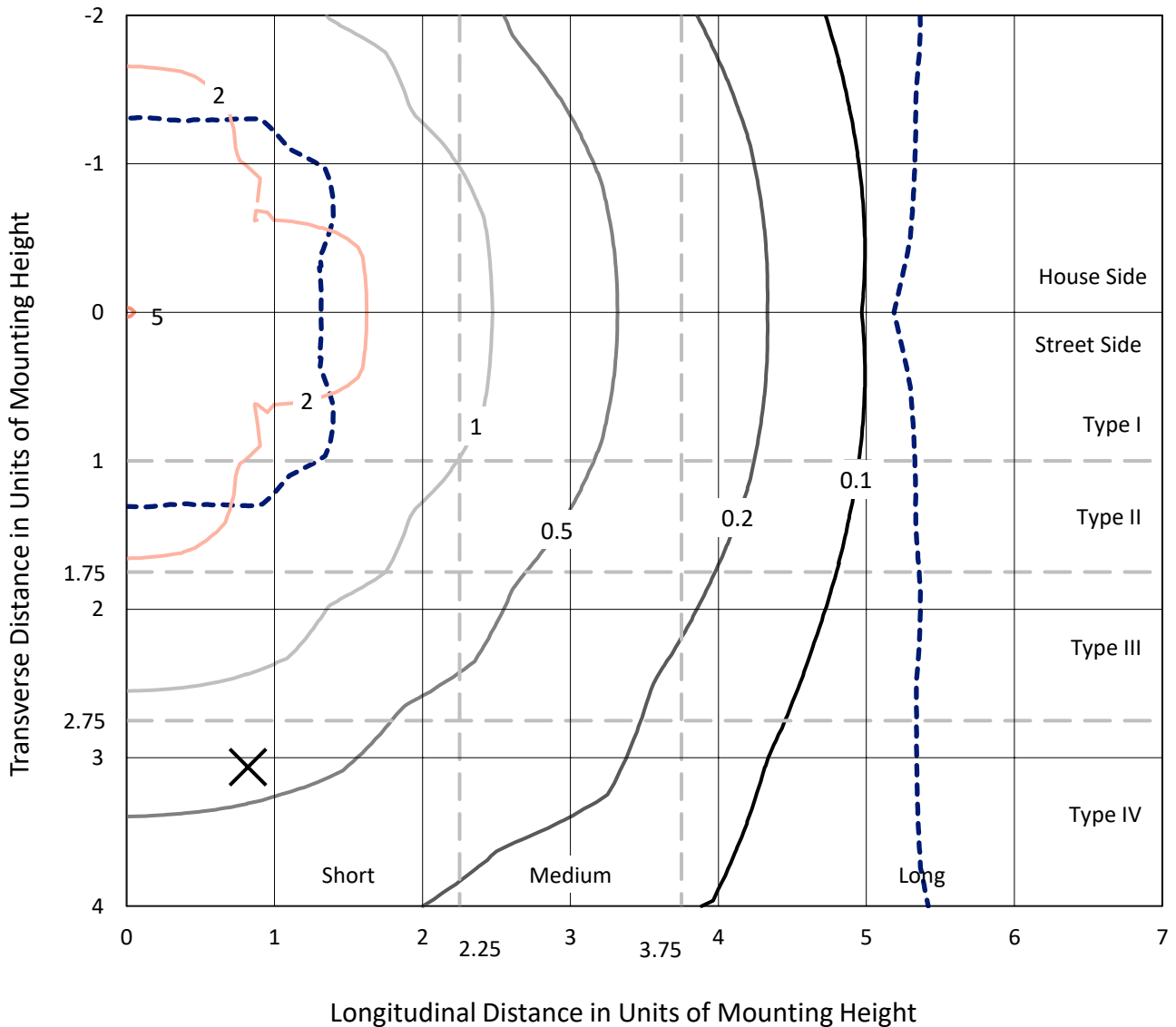
Input Watts (W): 82
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

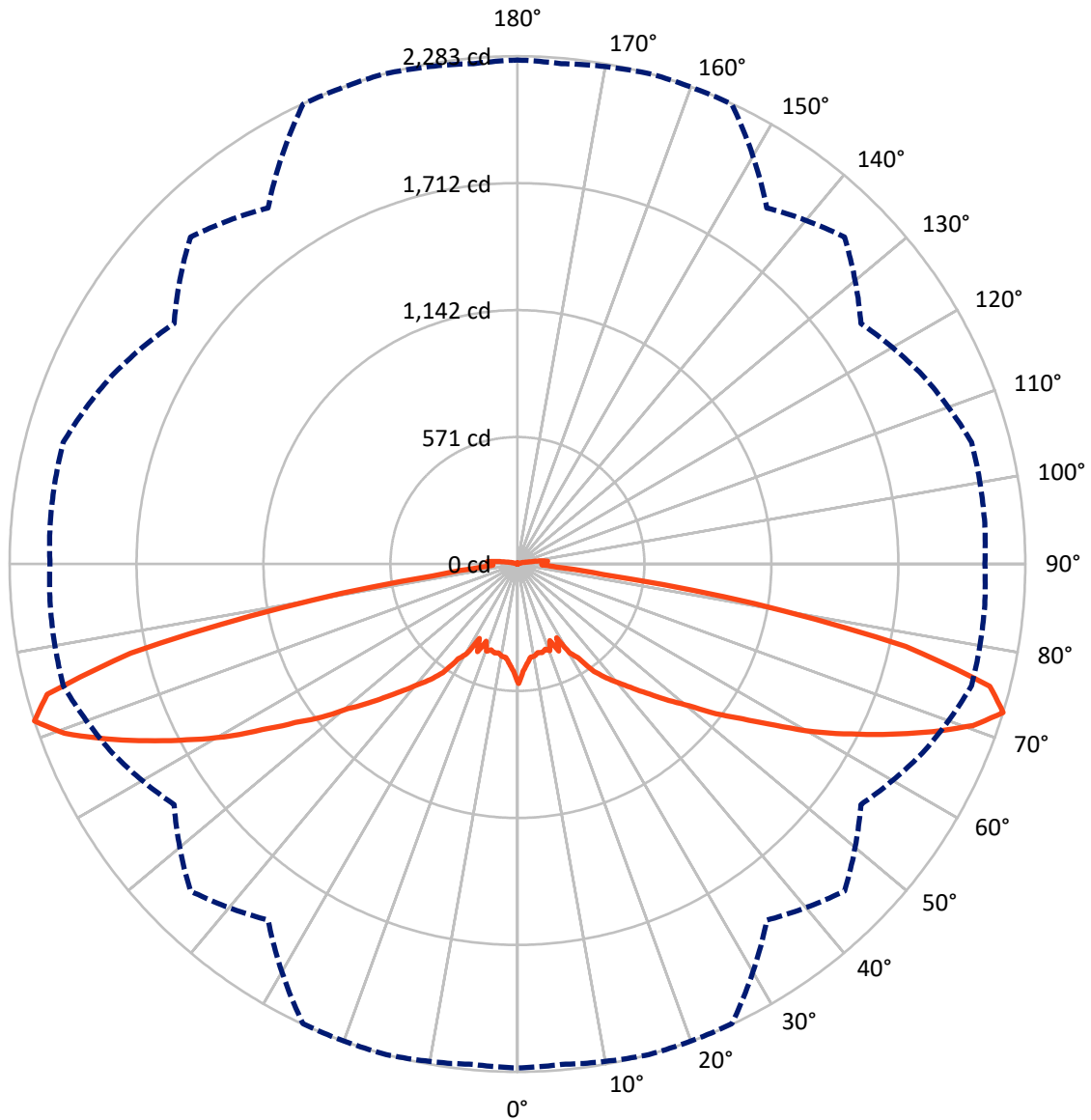
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P561012
CATALOG NUMBER: SDL-PA1-80-722-U-5WQ-A

Luminous Intensity Polar Plot



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

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CATALOG NUMBER: SDL-PA1-80-722-U-5WQ-A

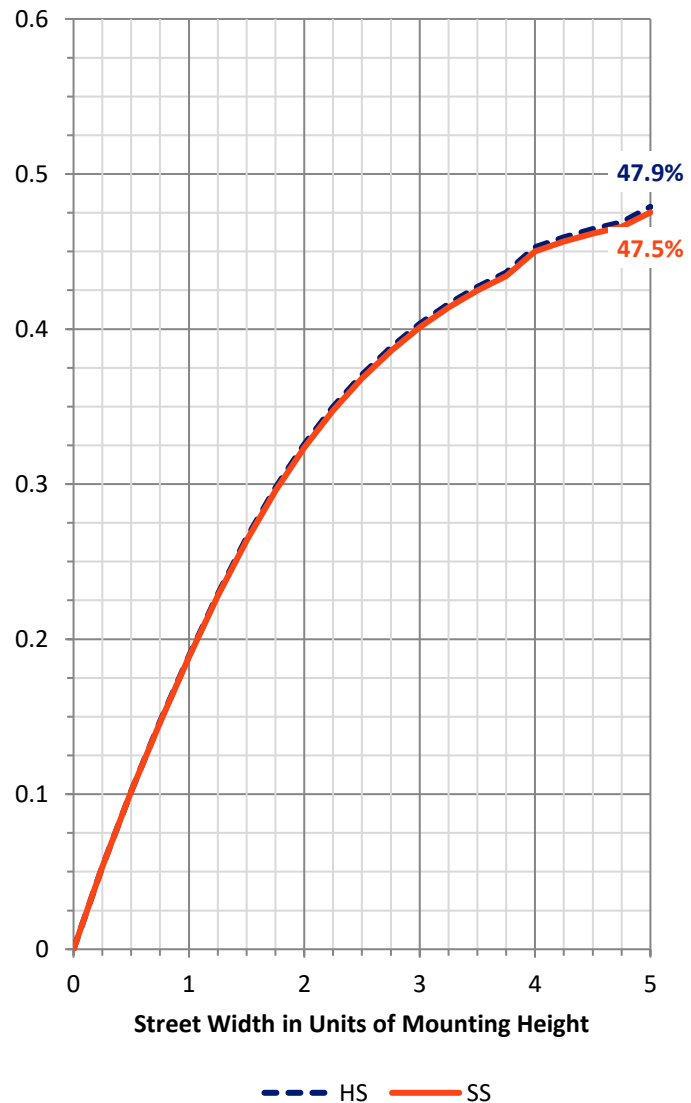
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3206.7	100.4	3307.1
	% Fixture	48.5	1.5	50.0
Street Side	Lumens	3206.7	100.4	3307.1
	% Fixture	48.5	1.5	50.0
Total	Lumens	6413.3	200.9	6614.2
	% Fixture	97.0	3.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.4	0.6
10°-20°	97.6	1.5
20°-30°	171.3	2.6
30°-40°	330.8	5.0
40°-50°	574.9	8.7
50°-60°	1013.1	15.3
60°-70°	1711.5	25.9
70°-80°	2012.0	30.4
80°-90°	459.9	7.0
90°-100°	151.8	2.3
100°-110°	35.8	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°	6413.3	97.0
0°-180°	6614.2	100.0



REPORT NUMBER: P561012

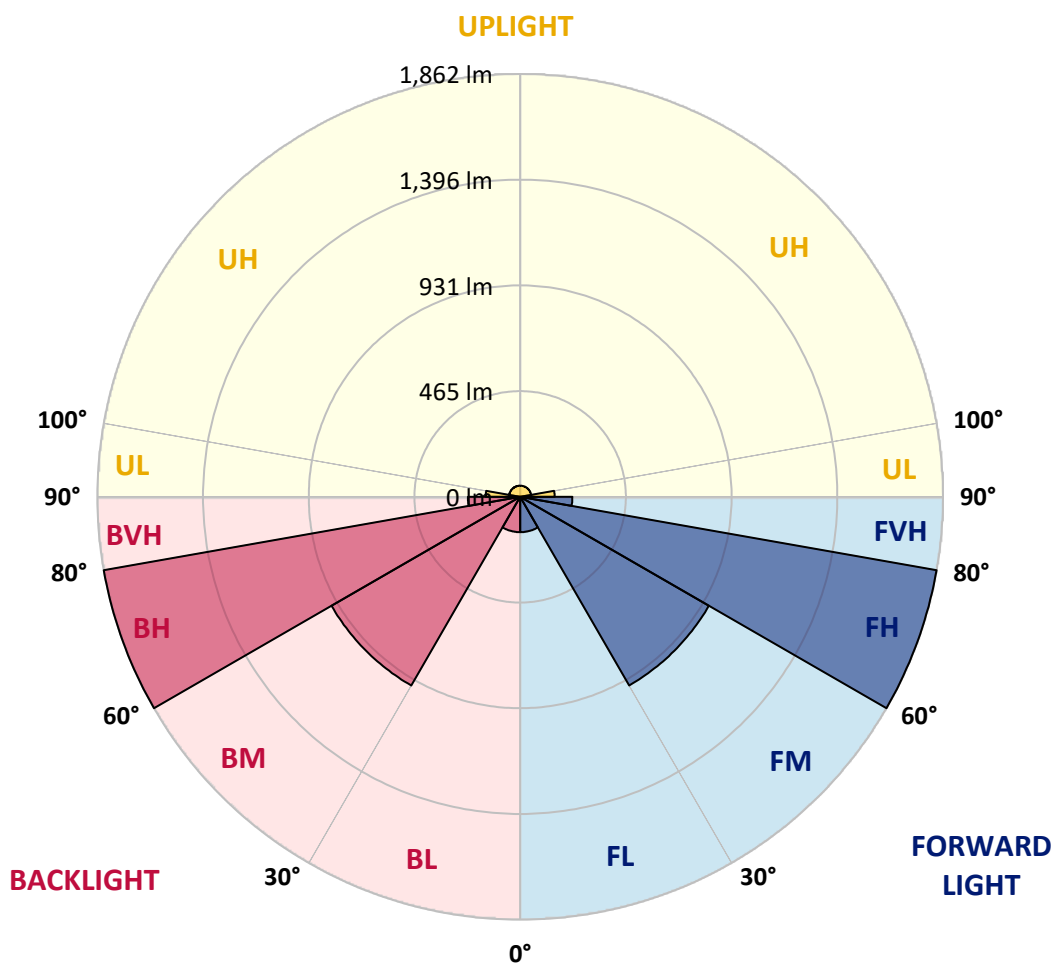
CATALOG NUMBER: SDL-PA1-80-722-U-5WQ-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	155.7	2.4			
FM (30°-60°)	959.3	14.5			
FH (60°-80°)	1861.7	28.1			G2/5000
FVH (80°-90°)	229.9	3.5			G3/500
BL (0°-30°)	155.7	2.4	B1/500		
BM (30°-60°)	959.3	14.5	B1/1000		
BH (60°-80°)	1861.7	28.1	B3/2500		G2/5000
BVH (80°-90°)	229.9	3.5			G3/500
UL (90°-100°)	151.8	2.3		U3/500	
UH (100°-180°)	49.1	0.7		U2/50	

BUG Rating: B3-U3-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	537.8	537.8	537.8	537.8	537.8	537.8	537.8	537.8	537.8	537.8	537.8
2.5°	475.5	485.5	483.0	500.4	515.4	520.3	530.3	530.3	532.8	532.8	532.8
5°	450.6	450.6	450.6	450.6	450.6	448.1	458.1	502.9	517.9	520.3	517.9
7.5°	390.9	403.3	423.2	430.7	438.2	435.7	430.7	403.3	445.7	450.6	453.1
10°	420.8	420.8	420.8	415.8	395.9	378.4	358.5	338.6	346.1	390.9	390.9
12.5°	373.5	371.0	408.3	413.3	375.9	328.6	313.7	321.2	298.8	341.1	341.1
15°	420.8	420.8	413.3	388.4	311.2	328.6	278.8	281.3	318.7	368.5	368.5
17.5°	358.5	361.0	403.3	378.4	338.6	263.9	308.7	278.8	286.3	313.7	316.2
20°	428.2	428.2	415.8	323.7	318.7	328.6	283.8	276.4	318.7	368.5	371.0
22.5°	368.5	368.5	373.5	375.9	328.6	323.7	283.8	321.2	301.3	301.3	336.1
25°	445.7	445.7	433.2	343.6	361.0	313.7	328.6	301.3	368.5	405.8	405.8
27.5°	390.9	390.9	375.9	390.9	348.6	373.5	328.6	356.0	395.9	478.0	483.0
30°	475.5	475.5	463.1	388.4	385.9	363.5	366.0	413.3	510.4	562.7	562.7
32.5°	577.6	580.1	502.9	445.7	390.9	418.3	398.4	470.6	532.8	587.6	590.1
35°	619.9	619.9	592.5	517.9	425.7	440.7	433.2	497.9	572.6	617.4	617.4
37.5°	669.7	669.7	649.8	555.2	468.1	488.0	453.1	535.3	617.4	657.3	652.3
40°	722.0	714.5	702.1	595.0	512.9	517.9	488.0	575.1	659.8	699.6	699.6
42.5°	786.7	786.7	764.3	662.3	557.7	565.2	520.3	624.9	722.0	769.3	771.8
45°	858.9	856.5	834.0	736.9	612.5	624.9	575.1	692.1	799.2	844.0	849.0
47.5°	943.6	943.6	916.2	816.6	682.2	694.6	637.4	759.4	893.8	933.6	938.6
50°	1033.2	1025.8	1000.9	908.7	774.3	769.3	707.1	834.0	993.4	1020.8	1030.7
52.5°	1137.8	1127.8	1117.9	1013.3	876.4	878.9	796.7	913.7	1107.9	1122.8	1127.8
55°	1242.4	1234.9	1227.4	1142.8	988.4	1003.3	916.2	1023.3	1222.4	1232.4	1242.4
57.5°	1359.4	1366.8	1366.8	1287.2	1115.4	1152.7	1045.7	1160.2	1359.4	1351.9	1349.4
60°	1528.7	1513.7	1531.2	1459.0	1289.7	1319.5	1205.0	1327.0	1491.3	1461.4	1454.0
62.5°	1665.6	1663.1	1683.0	1650.7	1451.5	1526.2	1361.9	1486.3	1615.8	1590.9	1593.4
65°	1822.5	1820.0	1844.9	1829.9	1620.8	1715.4	1533.6	1665.6	1765.2	1737.8	1732.8
67.5°	1974.3	1981.8	2011.7	2031.6	1757.7	1879.7	1698.0	1834.9	1912.1	1867.3	1872.2
70°	2161.0	2148.6	2173.5	2176.0	1869.8	1999.2	1824.9	1942.0	2036.6	2006.7	2001.7
72.5°	2265.6	2258.1	2283.0	2280.6	1954.4	2078.9	1884.7	2009.2	2113.7	2108.8	2101.3
75°	2151.1	2161.0	2193.4	2238.2	1959.4	2123.7	1877.2	1964.4	2046.5	2019.1	2011.7
77.5°	1688.0	1707.9	1785.1	1929.5	1827.4	2106.3	1745.3	1722.9	1740.3	1707.9	1688.0
80°	896.3	913.7	1078.0	1324.5	1466.4	1829.9	1466.4	1252.3	1068.1	936.1	824.1
82.5°	286.3	308.7	385.9	610.0	926.2	1274.7	849.0	480.5	331.1	283.8	266.4
85°	156.9	161.8	174.3	236.5	326.1	515.4	346.1	204.2	179.3	171.8	169.3
87.5°	132.0	134.4	109.5	134.4	156.9	161.8	156.9	112.0	114.5	127.0	124.5
90°	139.4	139.4	112.0	132.0	156.9	159.3	156.9	117.0	114.5	134.4	132.0
92.5°	151.9	151.9	127.0	141.9	174.3	169.3	169.3	122.0	127.0	144.4	144.4
95°	161.8	159.3	136.9	144.4	184.2	189.2	184.2	129.5	136.9	156.9	156.9
97.5°	119.5	114.5	99.6	129.5	174.3	199.2	184.2	122.0	107.1	119.5	117.0
100°	57.3	54.8	52.3	97.1	136.9	151.9	132.0	87.1	47.3	29.9	29.9
102.5°	12.4	12.4	34.9	67.2	79.7	79.7	72.2	59.8	29.9	10.0	10.0
105°	10.0	12.4	24.9	37.3	39.8	22.4	34.9	37.3	17.4	10.0	10.0
107.5°	10.0	12.4	10.0	12.4	12.4	10.0	12.4	14.9	7.5	10.0	10.0
110°	12.4	12.4	5.0	5.0	5.0	5.0	5.0	5.0	5.0	10.0	12.4



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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	10.0	12.4
115°	10.0	10.0	5.0	5.0	5.0	5.0	2.5	5.0	5.0	10.0	10.0
117.5°	10.0	10.0	5.0	2.5	2.5	2.5	2.5	5.0	5.0	10.0	12.4
120°	12.4	10.0	5.0	2.5	2.5	2.5	2.5	2.5	7.5	12.4	12.4
122.5°	12.4	12.4	5.0	2.5	2.5	2.5	2.5	2.5	7.5	12.4	14.9
125°	12.4	10.0	5.0	2.5	2.5	2.5	2.5	2.5	5.0	12.4	12.4
127.5°	10.0	10.0	5.0	2.5	2.5	2.5	2.5	2.5	5.0	10.0	12.4
130°	10.0	10.0	5.0	2.5	2.5	2.5	2.5	2.5	5.0	10.0	10.0
132.5°	7.5	7.5	5.0	2.5	2.5	0.0	2.5	2.5	5.0	7.5	7.5
135°	5.0	5.0	2.5	0.0	2.5	0.0	2.5	0.0	2.5	5.0	7.5
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

(END OF REPORT)