

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: P691273

Luminaire Tested: **CRTK2-C015-5TLD-U-T5R-7040**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691273
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-17)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C015-5TLD-U-T5R-7040
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE V ROUND OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5228 lumens
Efficiency: N/A
Efficacy: 159.9 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type V - Short
BUG Rating: B3 - U2 - G1

Input Watts (W): 32.7
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



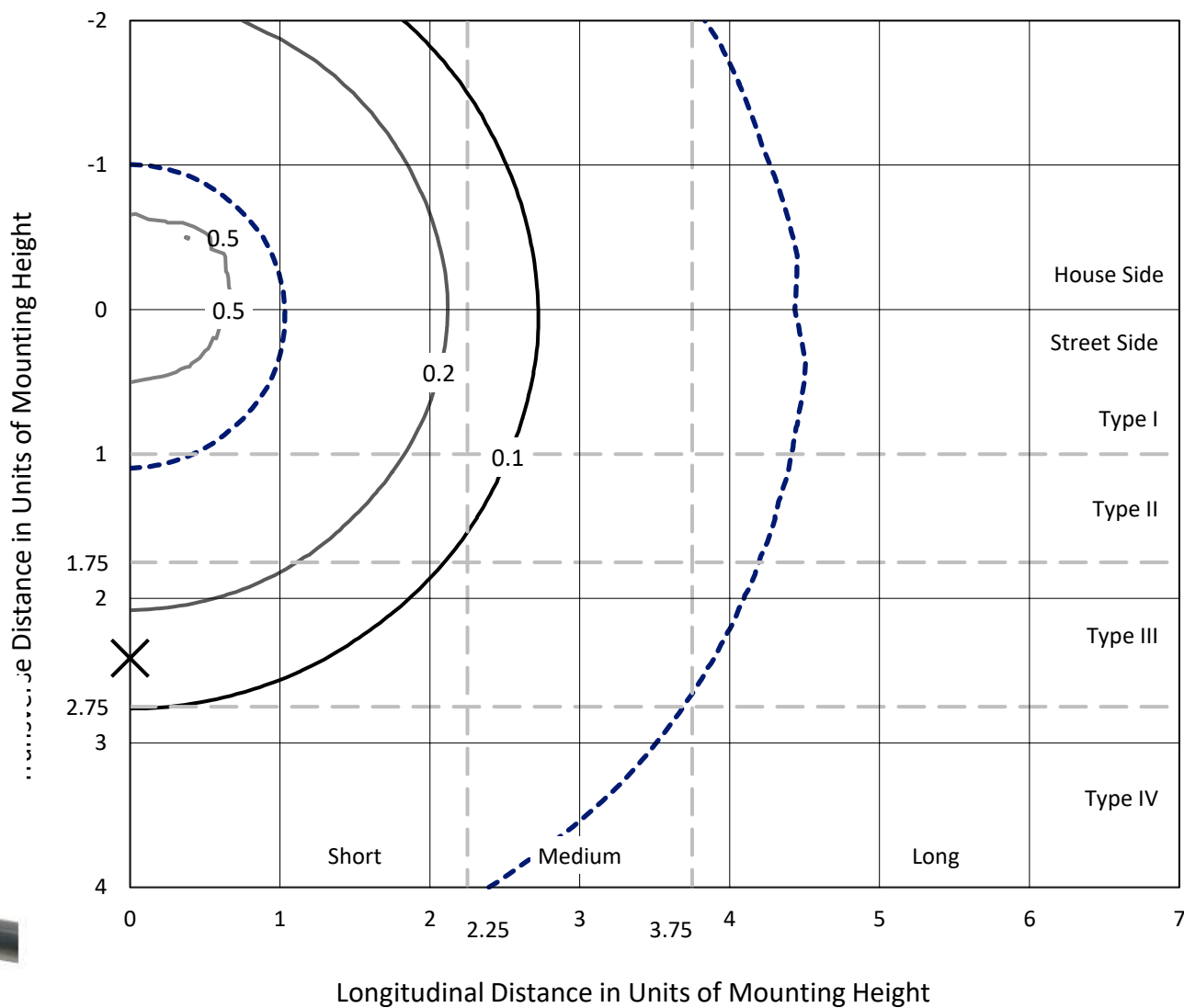
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

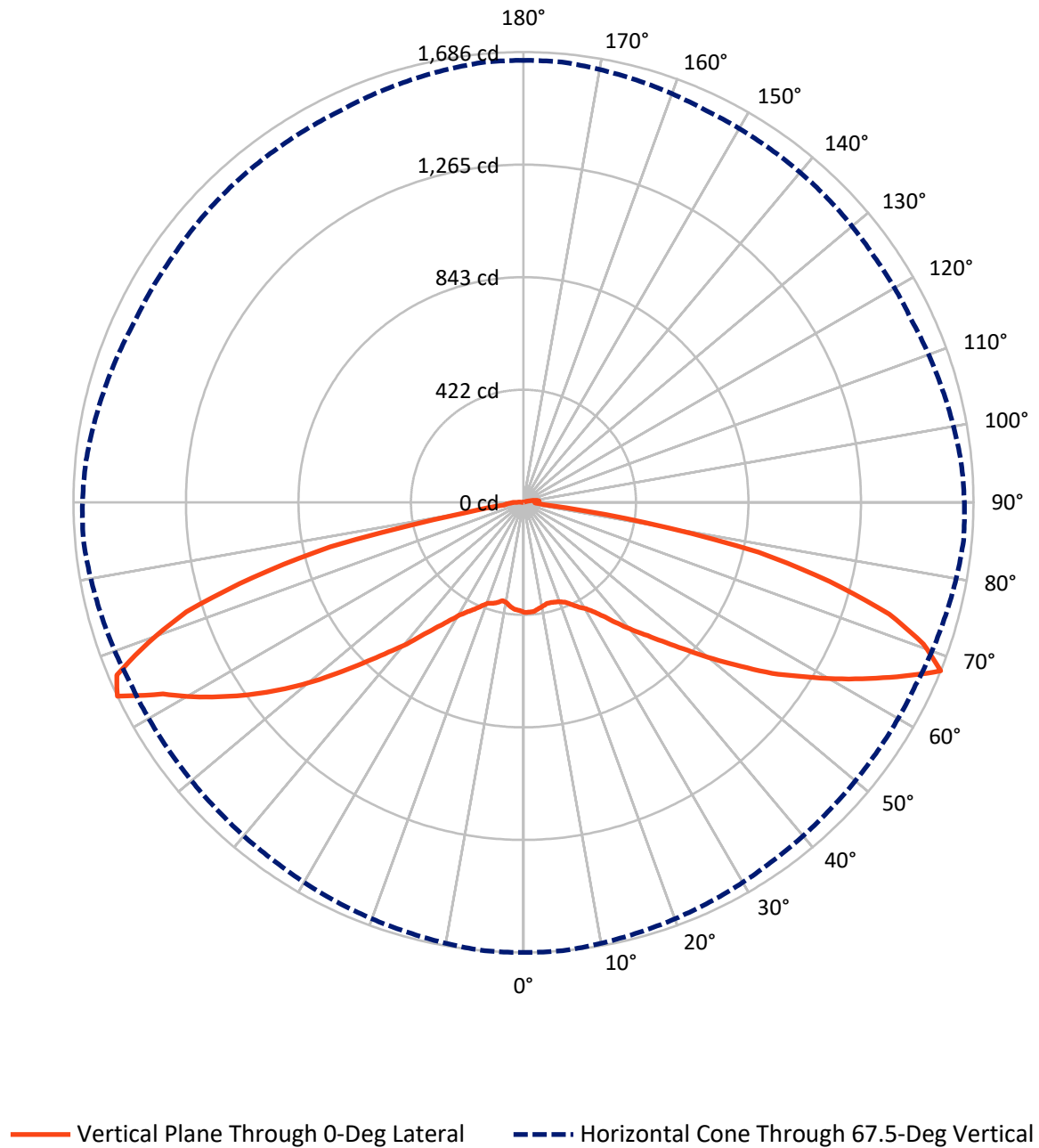
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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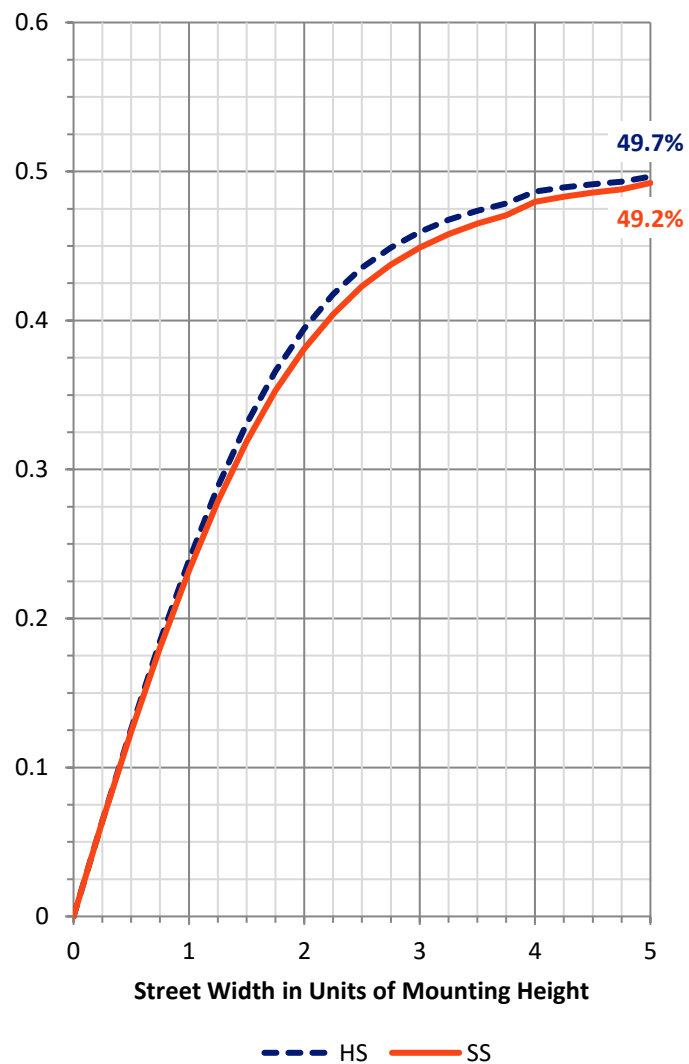
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2588.5	24.5	2613.0
	% Fixture	49.5	0.5	50.0
Street Side	Lumens	2580.3	34.7	2615.0
	% Fixture	49.4	0.7	50.0
Total	Lumens	5168.8	59.2	5228.0
	% Fixture	98.9	1.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.6	0.7
10°-20°	113.8	2.2
20°-30°	205.6	3.9
30°-40°	354.6	6.8
40°-50°	629.1	12.0
50°-60°	1071.0	20.5
60°-70°	1534.4	29.4
70°-80°	1115.7	21.3
80°-90°	105.9	2.0
90°-100°	47.8	0.9
100°-110°	11.4	0.2
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°	5168.8	98.9
0°-180°	5228.0	100.0

Coefficient of Utilization



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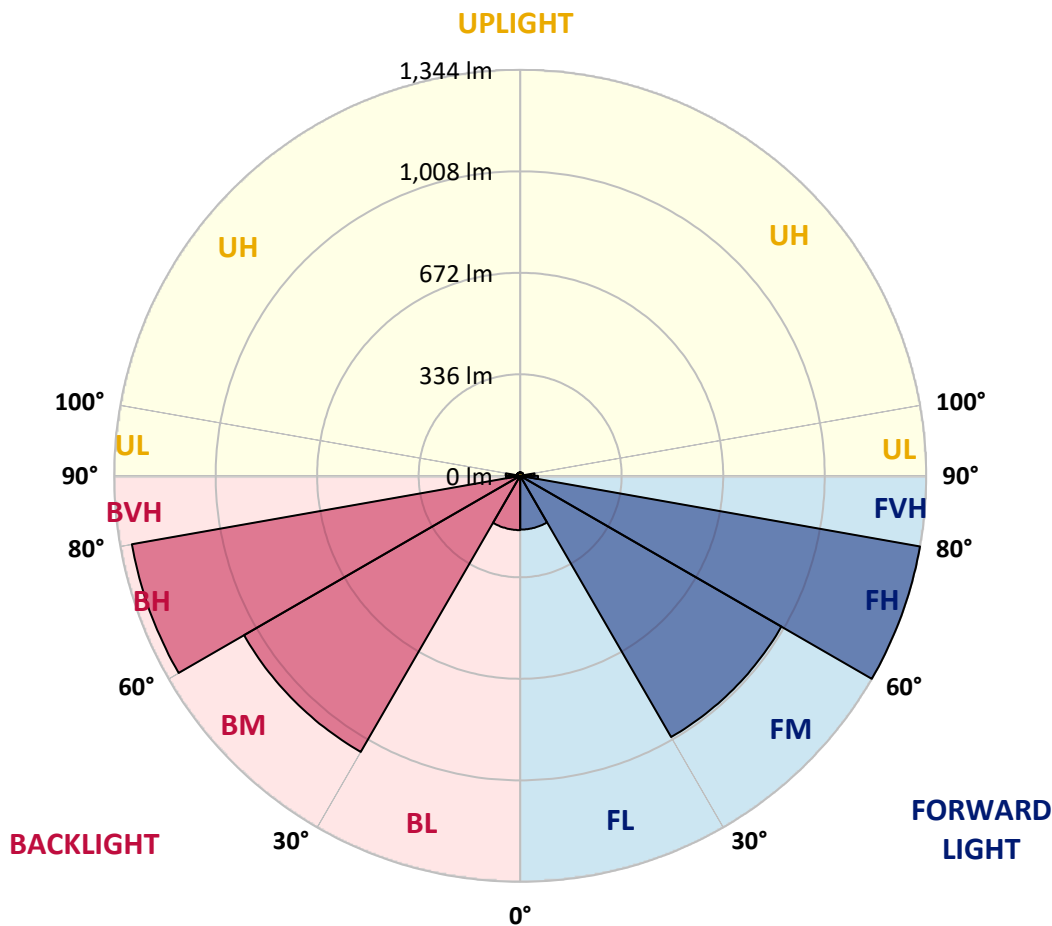
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	178.2	3.4			
FM	(30°-60°)	998.8	19.1			
FH	(60°-80°)	1344.5	25.7			G1/1800
FVH	(80°-90°)	58.8	1.1			G1/100
BL	(0°-30°)	179.8	3.4	B1/500		
BM	(30°-60°)	1055.9	20.2	B2/2500		
BH	(60°-80°)	1305.6	25.0	B3/2500		G1/1800
BVH	(80°-90°)	47.1	0.9			G1/100
UL	(90°-100°)	47.8	0.9		U2/50	
UH	(100°-180°)	11.4	0.2		U2/50	

BUG Rating: B3-U2-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	412.1	412.1	412.1	412.1	412.1	412.1	412.1	412.1	412.1	412.1	412.1
2.5°	412.1	412.1	412.1	412.1	412.1	412.1	410.5	407.2	407.2	407.2	407.2
5°	410.5	410.5	410.5	410.5	412.1	412.1	412.1	408.9	408.9	408.9	408.9
7.5°	402.4	402.4	404.0	404.0	405.6	407.2	405.6	405.6	405.6	407.2	407.2
10°	395.8	395.8	397.5	397.5	399.1	399.1	402.4	402.4	404.0	405.6	405.6
12.5°	389.3	389.3	391.0	394.2	395.8	397.5	399.1	400.7	404.0	405.6	405.6
15°	389.3	389.3	389.3	392.6	397.5	400.7	402.4	405.6	408.9	410.5	412.1
17.5°	392.6	392.6	392.6	395.8	399.1	404.0	408.9	410.5	413.8	417.0	417.0
20°	397.5	397.5	399.1	402.4	407.2	410.5	413.8	418.6	421.9	425.2	426.8
22.5°	407.2	408.9	408.9	410.5	415.4	420.3	423.5	426.8	431.7	434.9	438.2
25°	425.2	423.5	423.5	426.8	430.0	434.9	436.6	439.8	444.7	449.6	451.2
27.5°	444.7	443.1	443.1	446.3	449.6	452.9	454.5	459.4	464.3	469.1	470.8
30°	462.6	462.6	464.3	467.5	470.8	475.7	477.3	482.2	485.4	491.9	491.9
32.5°	490.3	491.9	493.6	495.2	498.5	503.3	508.2	509.9	513.1	518.0	521.3
35°	527.8	531.0	531.0	532.7	540.8	545.7	542.4	547.3	552.2	558.7	562.0
37.5°	576.7	575.0	579.9	586.4	588.1	592.9	591.3	594.6	601.1	609.2	614.1
40°	628.8	630.4	630.4	632.0	636.9	638.6	645.1	650.0	656.5	667.9	671.1
42.5°	682.5	685.8	689.0	690.7	698.8	700.5	705.3	711.9	720.0	728.1	731.4
45°	749.3	747.7	755.8	759.1	767.2	777.0	777.0	780.3	793.3	801.4	806.3
47.5°	829.1	832.4	837.3	842.2	855.2	856.8	865.0	869.9	878.0	886.2	887.8
50°	922.0	922.0	926.9	936.7	944.8	952.9	957.8	964.3	970.9	983.9	990.4
52.5°	1019.7	1021.4	1027.9	1037.6	1050.7	1052.3	1057.2	1068.6	1073.5	1076.7	1088.1
55°	1130.5	1125.6	1130.5	1145.2	1159.8	1158.2	1159.8	1172.9	1181.0	1187.5	1190.8
57.5°	1231.5	1231.5	1236.4	1247.8	1251.0	1255.9	1257.6	1269.0	1278.7	1286.9	1288.5
60°	1342.3	1340.6	1343.9	1353.7	1365.1	1365.1	1363.4	1374.8	1384.6	1386.2	1397.6
62.5°	1453.0	1448.1	1451.4	1457.9	1464.4	1457.9	1464.4	1474.2	1482.4	1488.9	1492.1
65°	1568.7	1562.2	1563.8	1557.3	1547.5	1539.4	1554.0	1581.7	1606.2	1619.2	1620.8
67.5°	1686.0	1686.0	1668.1	1651.8	1635.5	1625.7	1620.8	1620.8	1637.1	1655.0	1651.8
70°	1589.9	1593.1	1578.5	1567.1	1541.0	1532.9	1528.0	1511.7	1519.8	1524.7	1513.3
72.5°	1433.5	1415.6	1409.1	1404.2	1384.6	1370.0	1353.7	1342.3	1337.4	1340.6	1327.6
75°	1184.3	1220.1	1200.5	1190.8	1177.7	1171.2	1128.9	1115.8	1114.2	1127.2	1127.2
77.5°	900.8	920.4	907.3	912.2	892.7	889.4	873.1	858.5	847.1	843.8	811.2
80°	467.5	482.2	485.4	501.7	498.5	488.7	477.3	434.9	423.5	430.0	399.1
82.5°	84.7	88.0	89.6	91.2	84.7	88.0	89.6	81.4	86.3	84.7	81.4
85°	48.9	48.9	50.5	50.5	47.2	44.0	47.2	45.6	45.6	48.9	48.9
87.5°	42.4	44.0	45.6	45.6	40.7	37.5	40.7	40.7	42.4	44.0	44.0
90°	44.0	44.0	47.2	47.2	42.4	39.1	44.0	45.6	45.6	45.6	47.2
92.5°	58.6	57.0	58.6	58.6	53.8	50.5	57.0	57.0	57.0	57.0	58.6
95°	57.0	55.4	57.0	55.4	52.1	48.9	53.8	55.4	55.4	55.4	57.0
97.5°	48.9	48.9	48.9	48.9	44.0	42.4	48.9	48.9	47.2	47.2	48.9
100°	37.5	35.8	35.8	35.8	34.2	34.2	37.5	35.8	34.2	35.8	37.5
102.5°	24.4	24.4	24.4	24.4	24.4	24.4	24.4	22.8	22.8	22.8	26.1
105°	14.7	14.7	13.0	13.0	13.0	13.0	13.0	11.4	11.4	11.4	14.7
107.5°	4.9	4.9	3.3	3.3	3.3	3.3	3.3	1.6	1.6	1.6	4.9
110°	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):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	412.1	412.1	412.1	412.1	412.1	412.1	412.1	412.1	412.1	412.1
2.5°	408.9	408.9	410.5	408.9	408.9	407.2	405.6	404.0	405.6	405.6
5°	408.9	410.5	408.9	407.2	405.6	404.0	404.0	400.7	400.7	402.4
7.5°	407.2	410.5	407.2	405.6	400.7	399.1	397.5	394.2	394.2	394.2
10°	405.6	405.6	404.0	397.5	394.2	389.3	387.7	384.4	382.8	381.2
12.5°	405.6	405.6	400.7	395.8	391.0	384.4	382.8	379.5	377.9	376.3
15°	410.5	412.1	408.9	402.4	394.2	392.6	387.7	386.1	384.4	387.7
17.5°	418.6	417.0	413.8	407.2	402.4	400.7	394.2	394.2	392.6	395.8
20°	426.8	423.5	420.3	417.0	410.5	407.2	407.2	402.4	404.0	400.7
22.5°	436.6	438.2	433.3	428.4	423.5	421.9	420.3	420.3	418.6	418.6
25°	452.9	452.9	449.6	444.7	441.4	438.2	436.6	438.2	434.9	439.8
27.5°	472.4	470.8	470.8	467.5	462.6	461.0	459.4	461.0	459.4	459.4
30°	491.9	495.2	491.9	490.3	487.1	487.1	485.4	485.4	487.1	485.4
32.5°	522.9	524.5	524.5	522.9	519.6	518.0	518.0	519.6	522.9	521.3
35°	563.6	565.2	568.5	571.8	571.8	568.5	565.2	563.6	565.2	565.2
37.5°	617.4	619.0	622.3	622.3	620.6	619.0	620.6	623.9	617.4	617.4
40°	672.8	671.1	674.4	677.6	679.3	677.6	676.0	679.3	682.5	687.4
42.5°	734.7	737.9	739.5	746.1	749.3	749.3	747.7	752.6	754.2	754.2
45°	808.0	816.1	812.9	824.3	834.0	835.7	830.8	834.0	830.8	834.0
47.5°	892.7	899.2	905.7	915.5	920.4	923.6	922.0	925.2	928.5	928.5
50°	988.8	993.7	1005.1	1018.1	1026.2	1026.2	1019.7	1026.2	1032.8	1031.1
52.5°	1089.8	1099.5	1111.0	1122.4	1128.9	1130.5	1130.5	1135.4	1133.8	1133.8
55°	1195.7	1203.8	1218.5	1225.0	1233.1	1236.4	1236.4	1238.0	1236.4	1236.4
57.5°	1296.7	1306.4	1317.8	1330.9	1339.0	1342.3	1339.0	1339.0	1339.0	1335.7
60°	1400.9	1407.4	1418.8	1428.6	1433.5	1440.0	1440.0	1438.4	1436.7	1435.1
62.5°	1497.0	1500.3	1503.5	1505.2	1510.0	1523.1	1523.1	1531.2	1531.2	1529.6
65°	1622.4	1607.8	1594.8	1598.0	1609.4	1620.8	1630.6	1663.2	1679.5	1686.0
67.5°	1646.9	1625.7	1606.2	1604.5	1611.0	1614.3	1619.2	1637.1	1655.0	1655.0
70°	1503.5	1490.5	1472.6	1480.7	1485.6	1480.7	1487.2	1498.6	1514.9	1500.3
72.5°	1317.8	1296.7	1309.7	1317.8	1309.7	1303.2	1306.4	1304.8	1316.2	1327.6
75°	1112.6	1068.6	1068.6	1068.6	1071.9	1057.2	1057.2	1058.8	1080.0	1050.7
77.5°	824.3	793.3	785.2	752.6	749.3	729.8	742.8	734.7	754.2	742.8
80°	384.4	371.4	366.5	333.9	327.4	275.3	294.8	262.3	272.0	244.3
82.5°	79.8	78.2	76.6	68.4	61.9	53.8	63.5	71.7	73.3	71.7
85°	50.5	52.1	52.1	48.9	45.6	40.7	48.9	60.3	63.5	63.5
87.5°	44.0	45.6	45.6	44.0	40.7	35.8	40.7	45.6	47.2	45.6
90°	47.2	48.9	47.2	45.6	42.4	37.5	42.4	44.0	35.8	37.5
92.5°	57.0	57.0	55.4	55.4	53.8	47.2	52.1	42.4	16.3	4.9
95°	55.4	53.8	53.8	52.1	50.5	42.4	42.4	11.4	0.0	0.0
97.5°	47.2	44.0	44.0	42.4	42.4	35.8	26.1	0.0	0.0	0.0
100°	35.8	31.0	31.0	29.3	29.3	24.4	9.8	0.0	0.0	0.0
102.5°	24.4	19.5	17.9	16.3	16.3	14.7	1.6	0.0	0.0	0.0
105°	13.0	8.1	6.5	4.9	4.9	3.3	0.0	0.0	0.0	0.0
107.5°	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	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	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	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
165°	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
170°	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
175°	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
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)