

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: P691557

Luminaire Tested: **CRTK2-C016-D-U-T5R-8027-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691557
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-29)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C016-D-U-T5R-8027-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K LED WITH TYPE V ROUND OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3518 lumens
Efficiency: N/A
Efficacy: 84.6 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type IV - Short
BUG Rating: B1 - U2 - G1

Input Watts (W): 41.6
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

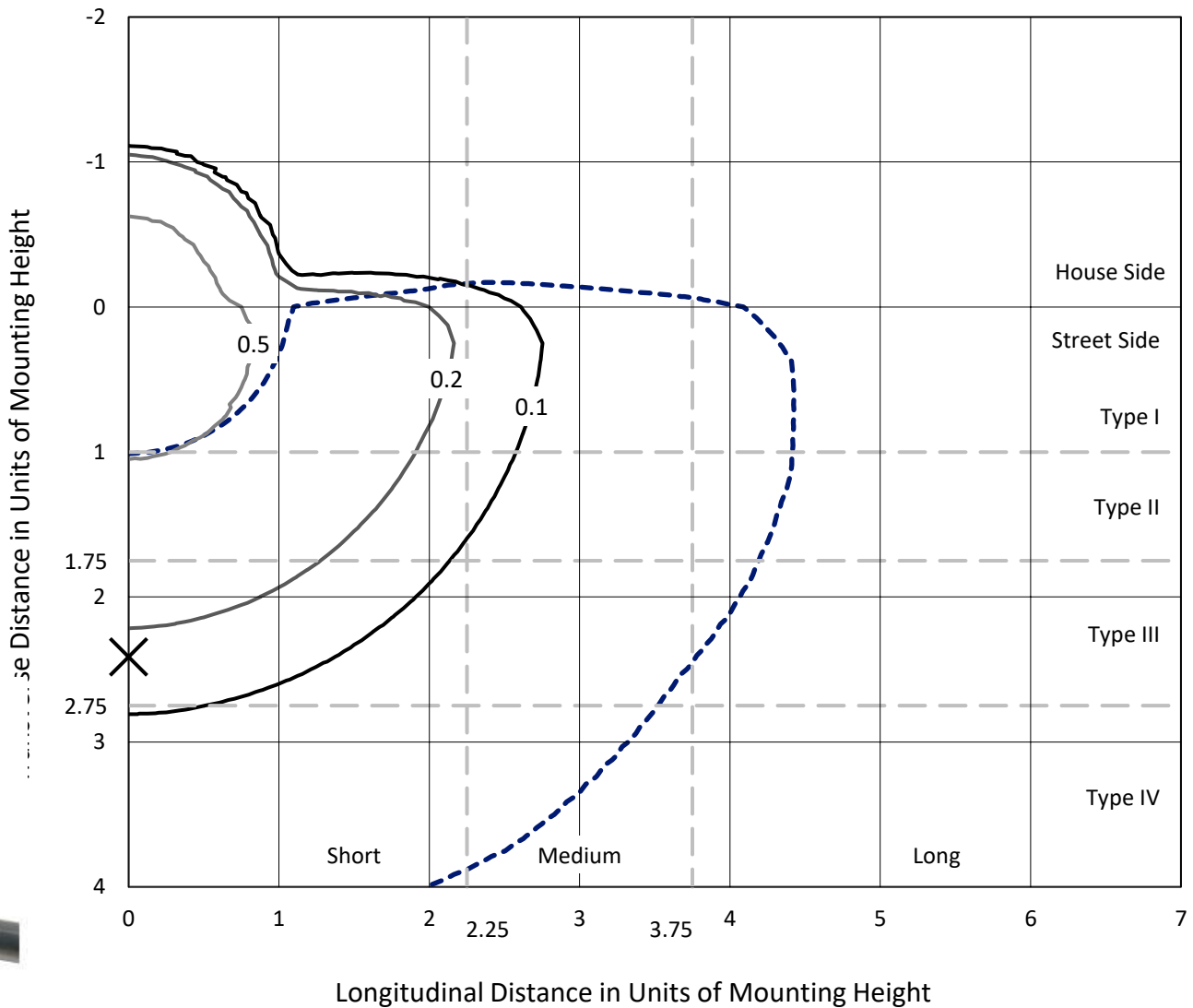


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

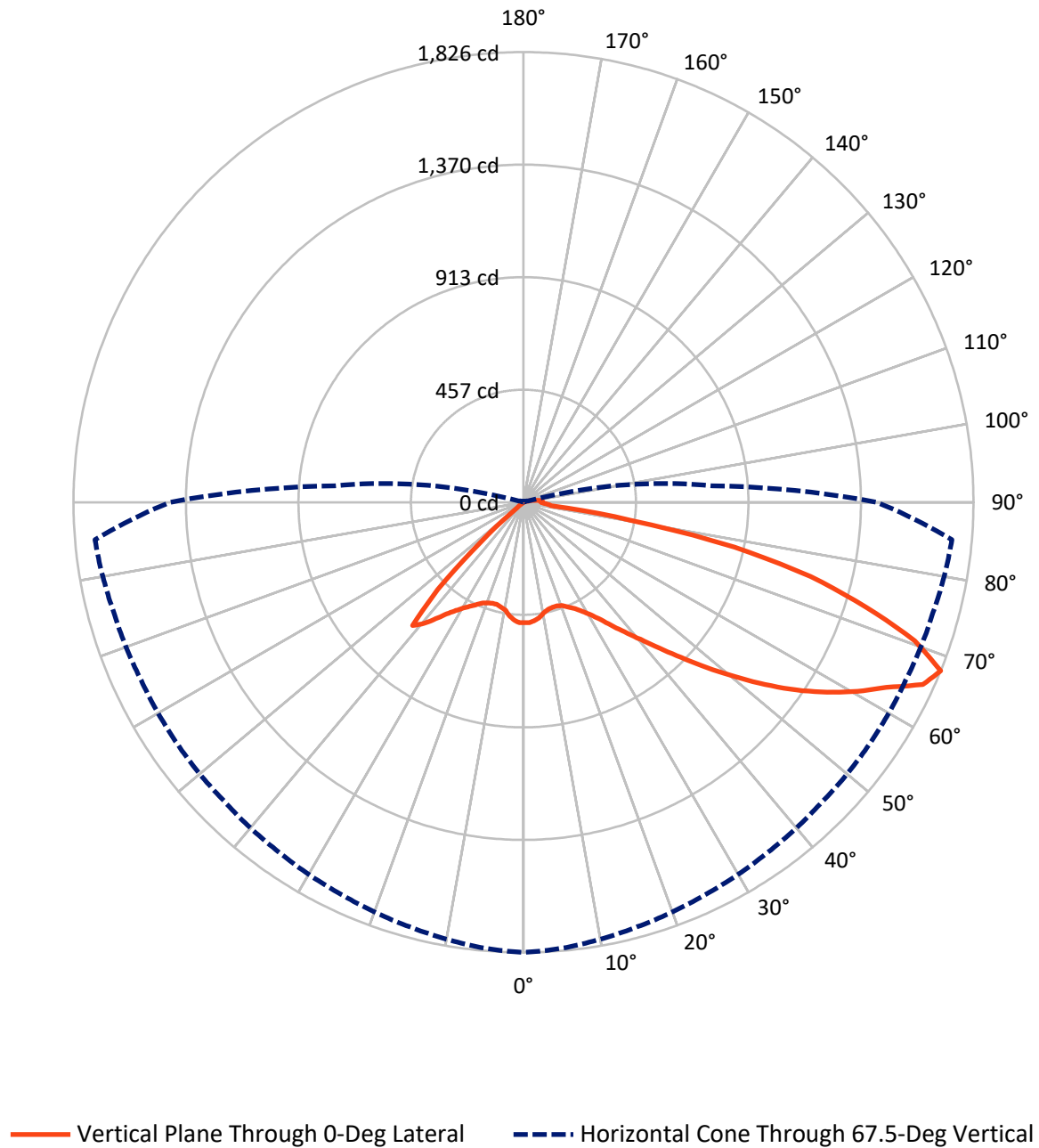


Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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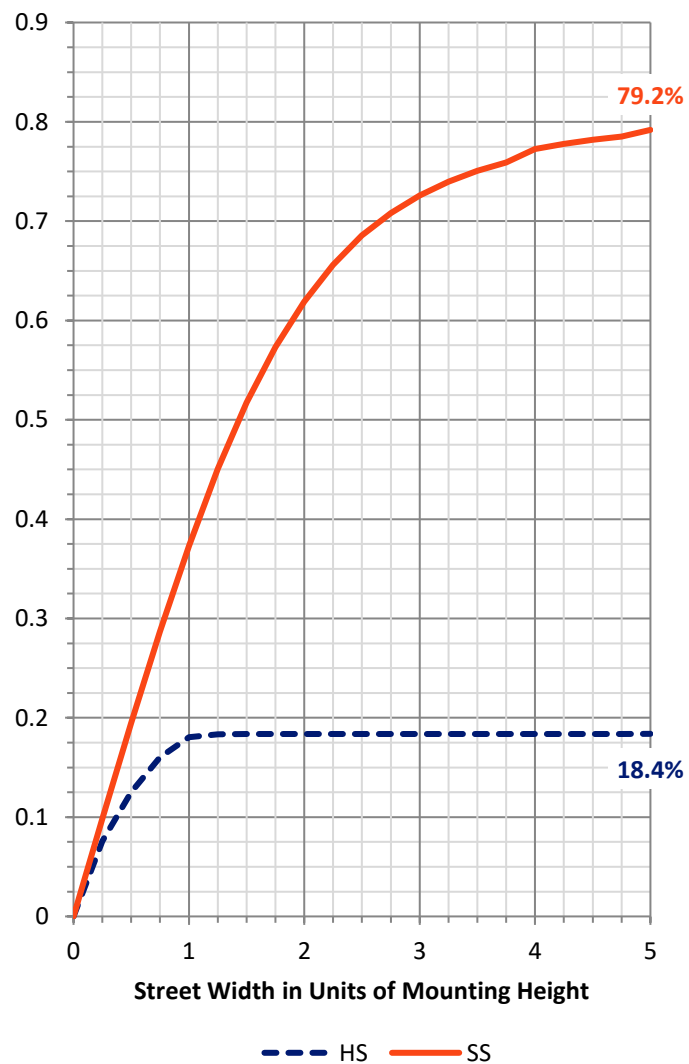
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	650.7	2.6	653.3
	% Fixture	18.5	0.1	18.6
Street Side	Lumens	2815.8	48.9	2864.7
	% Fixture	80.0	1.4	81.4
Total	Lumens	3466.5	51.5	3518.0
	% Fixture	98.5	1.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.4	1.3
10°-20°	121.5	3.5
20°-30°	214.1	6.1
30°-40°	365.9	10.4
40°-50°	502.9	14.3
50°-60°	621.5	17.7
60°-70°	868.6	24.7
70°-80°	634.5	18.0
80°-90°	93.1	2.6
90°-100°	41.1	1.2
100°-110°	9.4	0.3
110°-120°	0.6	0.0
120°-130°	0.1	0.0
130°-140°	0.1	0.0
140°-150°	0.0	0.0
150°-160°	0.1	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	3466.5	98.5
0°-180°	3518.0	100.0

Coefficient of Utilization



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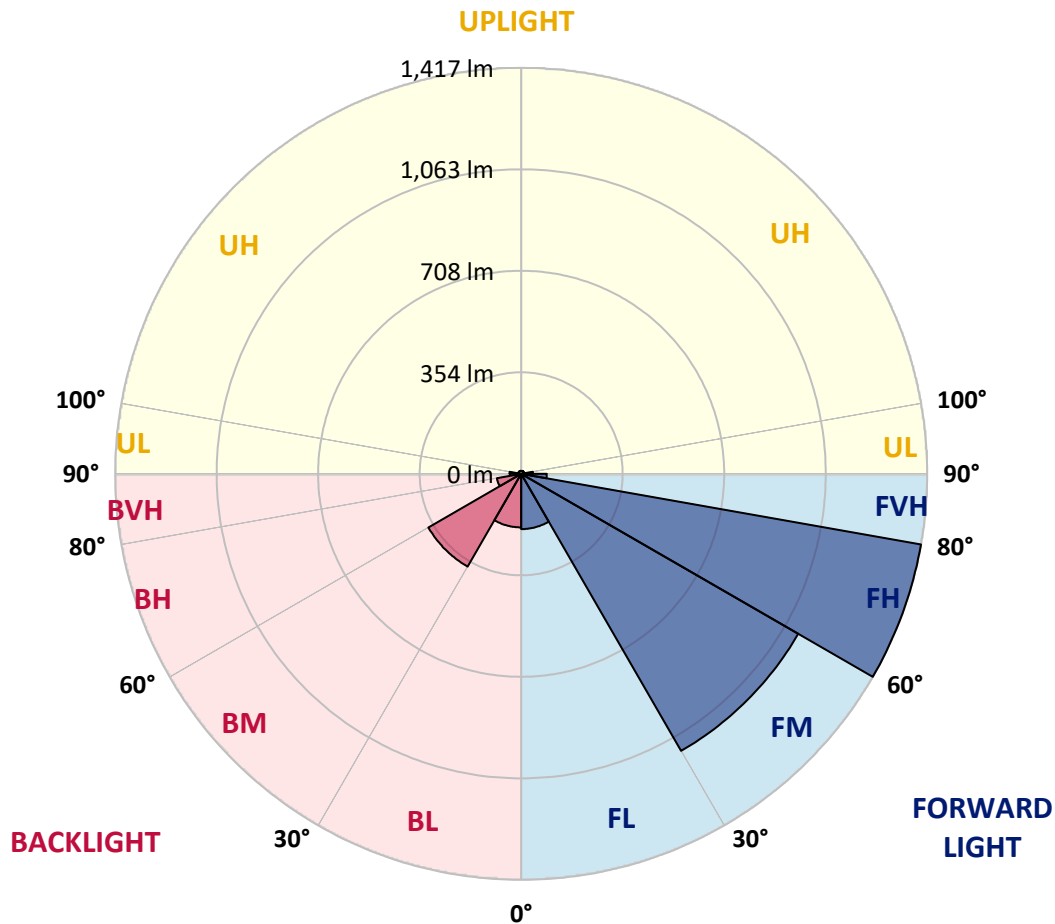
CATALOG NUMBER: CRTK2-C016-D-U-T5R-8027-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	192.9	5.5			
FM	(30°-60°)	1116.4	31.7			
FH	(60°-80°)	1416.9	40.3			G1/1800
FVH	(80°-90°)	89.5	2.5			G1/100
BL	(0°-30°)	187.1	5.3	B1/500		
BM	(30°-60°)	373.9	10.6	B1/1000		
BH	(60°-80°)	86.1	2.4	B0/110		G0/110
BVH	(80°-90°)	3.6	0.1			G0/10
UL	(90°-100°)	41.1	1.2		U2/50	
UH	(100°-180°)	10.4	0.3		U2/50	

BUG Rating: B1-U2-G1

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	488.4	488.4	488.4	488.4	488.4	488.4	488.4	488.4	488.4	488.4	488.4
2.5°	488.4	488.4	488.4	488.4	490.1	488.4	486.7	483.2	483.2	483.2	483.2
5°	481.5	481.5	483.2	483.2	481.5	479.8	476.4	476.4	474.6	474.6	474.6
7.5°	471.2	471.2	471.2	472.9	469.5	464.3	462.6	460.9	459.2	457.4	455.7
10°	455.7	455.7	455.7	454.0	450.6	445.4	442.0	438.5	438.5	436.8	435.1
12.5°	445.4	445.4	445.4	443.7	438.5	435.1	429.9	426.5	424.8	424.8	423.1
15°	442.0	442.0	442.0	440.2	435.1	431.6	426.5	423.1	419.6	417.9	416.2
17.5°	442.0	442.0	442.0	438.5	436.8	431.6	426.5	423.1	421.3	419.6	417.9
20°	447.1	448.8	447.1	445.4	440.2	436.8	431.6	426.5	424.8	424.8	423.1
22.5°	460.9	459.2	459.2	457.4	452.3	447.1	443.7	440.2	436.8	436.8	435.1
25°	476.4	478.1	478.1	474.6	471.2	466.0	460.9	455.7	454.0	452.3	450.6
27.5°	498.7	498.7	500.4	497.0	491.8	488.4	483.2	479.8	476.4	472.9	471.2
30°	526.2	528.0	528.0	524.5	519.4	512.5	509.0	503.9	498.7	498.7	493.6
32.5°	562.3	565.8	564.1	560.6	555.5	548.6	545.2	540.0	536.6	531.4	528.0
35°	612.2	613.9	612.2	608.8	600.2	593.3	589.9	586.4	583.0	576.1	569.2
37.5°	667.3	669.0	670.7	667.3	656.9	646.6	643.2	638.0	636.3	627.7	624.3
40°	730.9	734.3	732.6	727.4	718.8	708.5	706.8	701.6	696.5	691.3	682.7
42.5°	808.3	808.3	806.5	803.1	796.2	784.2	780.8	775.6	772.2	761.8	748.1
45°	897.7	899.4	894.3	889.1	887.4	877.1	868.5	863.3	853.0	840.9	825.5
47.5°	1002.6	1000.9	994.0	988.8	987.1	978.5	971.6	961.3	947.6	933.8	904.6
50°	1110.9	1110.9	1098.9	1093.7	1097.2	1085.1	1076.5	1064.5	1050.7	1037.0	994.0
52.5°	1227.9	1222.7	1210.7	1212.4	1207.2	1195.2	1184.9	1176.3	1162.5	1150.5	1081.7
55°	1344.8	1337.9	1319.0	1320.7	1312.1	1298.4	1291.5	1281.2	1277.8	1264.0	1166.0
57.5°	1453.2	1444.6	1423.9	1422.2	1415.3	1399.9	1396.4	1384.4	1375.8	1368.9	1229.6
60°	1558.1	1549.5	1530.5	1523.7	1509.9	1494.4	1496.2	1489.3	1484.1	1477.2	1300.1
62.5°	1652.6	1642.3	1625.1	1611.4	1592.5	1578.7	1580.4	1577.0	1580.4	1578.7	1360.3
65°	1781.6	1771.3	1745.5	1721.4	1693.9	1673.3	1671.6	1676.7	1712.8	1716.3	1453.2
67.5°	1826.3	1816.0	1783.3	1754.1	1731.8	1716.3	1712.8	1711.1	1721.4	1745.5	1434.2
70°	1685.3	1678.4	1647.5	1626.9	1604.5	1594.2	1583.9	1589.0	1599.3	1597.6	1315.6
72.5°	1454.9	1492.7	1453.2	1434.2	1429.1	1401.6	1408.4	1403.3	1410.2	1408.4	1169.4
75°	1203.8	1193.5	1184.9	1217.6	1193.5	1172.8	1184.9	1196.9	1209.0	1195.2	1025.0
77.5°	875.3	882.2	878.8	890.8	913.2	902.9	896.0	925.2	930.4	883.9	796.2
80°	440.2	467.8	476.4	497.0	509.0	486.7	467.8	509.0	502.2	448.8	404.1
82.5°	115.2	116.9	134.1	158.2	161.7	158.2	161.7	158.2	137.6	87.7	73.9
85°	96.3	96.3	118.7	144.5	149.6	142.7	142.7	134.1	106.6	55.0	44.7
87.5°	79.1	82.5	106.6	130.7	134.1	127.3	125.5	115.2	92.9	48.2	37.8
90°	70.5	73.9	96.3	116.9	118.7	111.8	110.1	103.2	84.3	48.2	37.8
92.5°	77.4	79.1	94.6	106.6	106.6	101.5	99.7	94.6	82.5	60.2	46.4
95°	68.8	70.5	77.4	82.5	80.8	75.7	79.1	73.9	68.8	56.8	43.0
97.5°	56.8	58.5	60.2	60.2	58.5	55.0	58.5	56.8	53.3	46.4	34.4
100°	43.0	43.0	43.0	44.7	43.0	41.3	43.0	39.6	37.8	32.7	24.1
102.5°	29.2	29.2	29.2	29.2	29.2	29.2	29.2	25.8	24.1	20.6	13.8
105°	17.2	17.2	15.5	17.2	17.2	15.5	15.5	13.8	10.3	8.6	5.2
107.5°	6.9	6.9	5.2	5.2	5.2	5.2	3.4	1.7	1.7	1.7	1.7
110°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
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	1.7
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7
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	1.7
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	1.7	1.7	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7	1.7
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7
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°	488.4	488.4	488.4	488.4	488.4	488.4	488.4	488.4	488.4	488.4
2.5°	483.2	483.2	483.2	483.2	483.2	483.2	485.0	486.7	488.4	488.4
5°	474.6	474.6	474.6	472.9	474.6	476.4	478.1	478.1	479.8	479.8
7.5°	457.4	455.7	455.7	455.7	457.4	460.9	460.9	462.6	464.3	464.3
10°	435.1	435.1	435.1	435.1	436.8	440.2	440.2	443.7	443.7	443.7
12.5°	423.1	423.1	421.3	419.6	423.1	423.1	428.2	429.9	431.6	435.1
15°	416.2	414.5	416.2	416.2	417.9	419.6	421.3	424.8	426.5	428.2
17.5°	416.2	416.2	416.2	417.9	419.6	419.6	421.3	424.8	426.5	428.2
20°	423.1	423.1	421.3	421.3	423.1	423.1	426.5	429.9	431.6	433.4
22.5°	433.4	431.6	431.6	429.9	431.6	433.4	436.8	440.2	440.2	440.2
25°	447.1	445.4	445.4	445.4	448.8	448.8	452.3	455.7	455.7	455.7
27.5°	469.5	466.0	464.3	464.3	464.3	466.0	469.5	471.2	472.9	472.9
30°	488.4	485.0	483.2	481.5	483.2	485.0	488.4	491.8	491.8	491.8
32.5°	522.8	514.2	509.0	510.8	510.8	512.5	515.9	515.9	517.6	517.6
35°	562.3	553.7	545.2	546.9	546.9	548.6	548.6	548.6	552.0	548.6
37.5°	612.2	598.5	591.6	593.3	589.9	589.9	589.9	589.9	588.1	591.6
40°	665.5	644.9	638.0	639.7	638.0	636.3	636.3	638.0	636.3	638.0
42.5°	656.9	570.9	591.6	615.7	632.9	644.9	658.7	665.5	665.5	672.4
45°	574.4	338.8	362.9	395.5	423.1	452.3	466.0	476.4	483.2	497.0
47.5°	498.7	122.1	139.3	161.7	190.9	190.9	215.0	225.3	228.7	240.8
50°	485.0	18.9	15.5	17.2	18.9	20.6	22.4	27.5	27.5	34.4
52.5°	528.0	17.2	10.3	6.9	6.9	5.2	3.4	3.4	3.4	5.2
55°	576.1	18.9	10.3	6.9	5.2	5.2	1.7	1.7	1.7	1.7
57.5°	617.4	17.2	8.6	6.9	5.2	3.4	0.0	0.0	0.0	0.0
60°	662.1	18.9	10.3	6.9	5.2	3.4	0.0	0.0	0.0	0.0
62.5°	701.6	18.9	10.3	6.9	5.2	1.7	0.0	0.0	0.0	0.0
65°	758.4	20.6	10.3	6.9	3.4	0.0	0.0	0.0	0.0	0.0
67.5°	768.7	20.6	10.3	5.2	1.7	0.0	0.0	0.0	0.0	0.0
70°	686.2	17.2	6.9	3.4	1.7	0.0	0.0	0.0	0.0	0.0
72.5°	589.9	10.3	5.2	1.7	0.0	0.0	0.0	0.0	0.0	0.0
75°	474.6	8.6	3.4	1.7	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	318.1	6.9	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0
80°	142.7	5.2	1.7	1.7	0.0	0.0	1.7	1.7	0.0	0.0
82.5°	31.0	3.4	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0
85°	20.6	3.4	1.7	1.7	0.0	0.0	1.7	1.7	0.0	0.0
87.5°	18.9	1.7	1.7	1.7	0.0	0.0	0.0	1.7	0.0	0.0
90°	18.9	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	22.4	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	20.6	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	15.5	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	10.3	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	5.2	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	1.7	1.7	1.7	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°	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	1.7	1.7	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°	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	1.7	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°	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	1.7	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°	1.7	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°	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	1.7	1.7	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	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	1.7	1.7	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)