

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: P691260

Luminaire Tested: **CRTK2-C015-5TLD-U-T5R-7030-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691260
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-C015-5TLD-U-T5R-7030-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE V ROUND OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3237 lumens
Efficiency: N/A
Efficacy: 99.0 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): 32.7
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

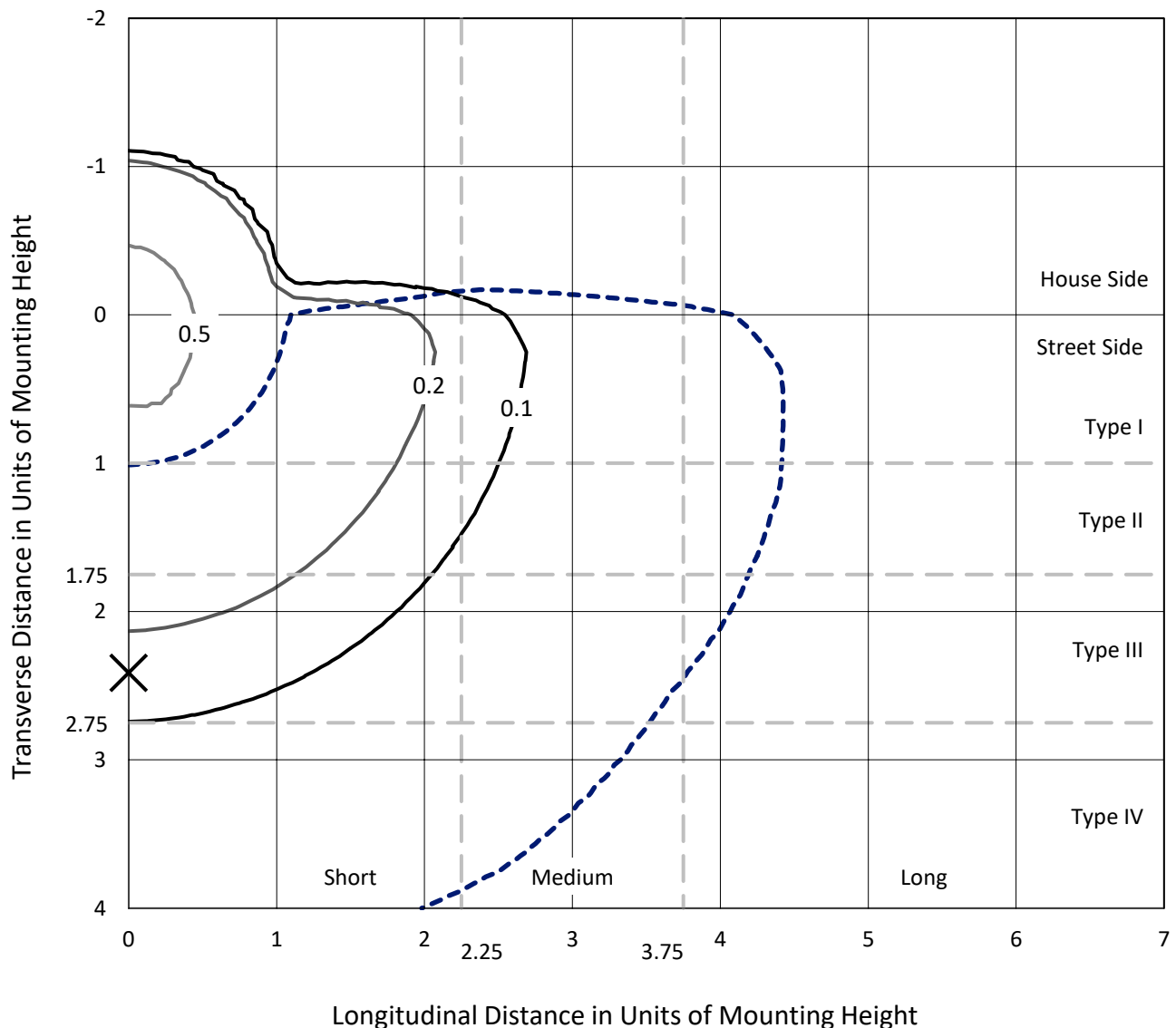


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

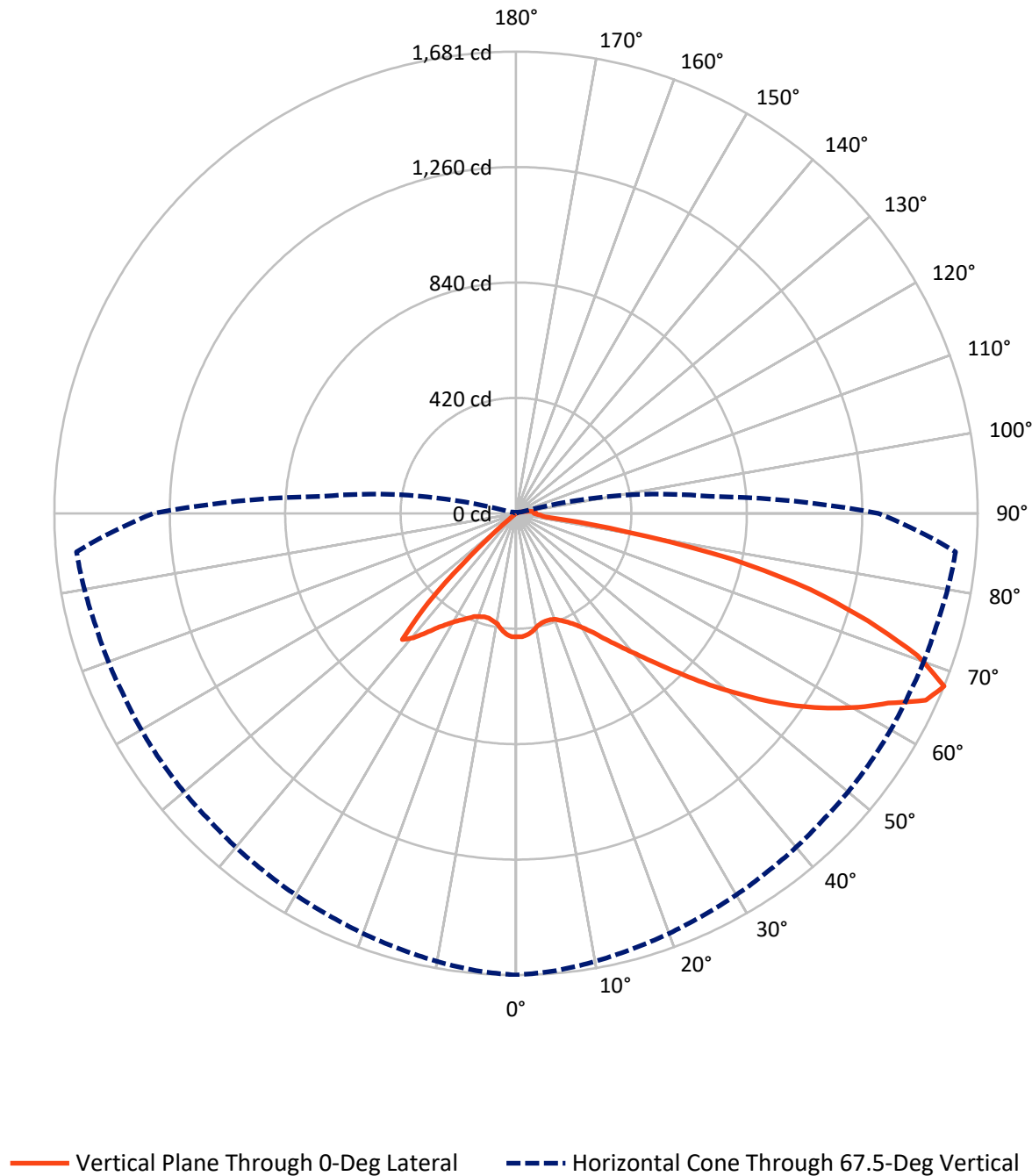


Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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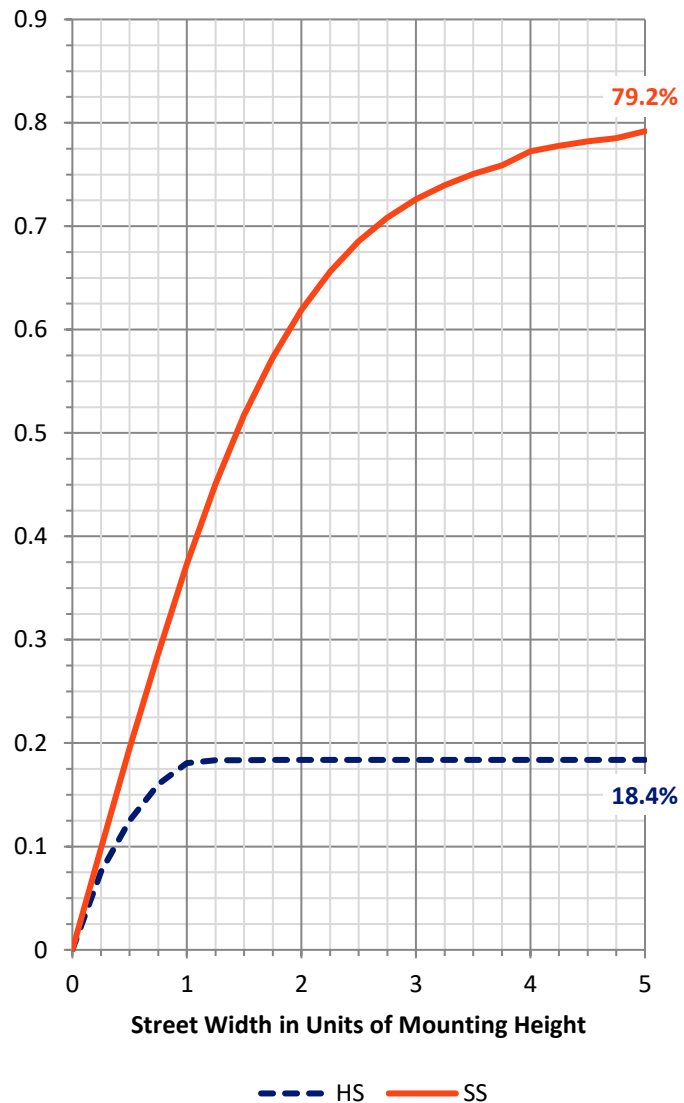
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	598.7	2.4	601.1
	% Fixture	18.5	0.1	18.6
Street Side	Lumens	2590.9	45.0	2635.9
	% Fixture	80.0	1.4	81.4
Total	Lumens	3189.6	47.4	3237.0
	% Fixture	98.5	1.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.9	1.3
10°-20°	111.8	3.5
20°-30°	197.0	6.1
30°-40°	336.7	10.4
40°-50°	462.7	14.3
50°-60°	571.9	17.7
60°-70°	799.2	24.7
70°-80°	583.8	18.0
80°-90°	85.7	2.6
90°-100°	37.8	1.2
100°-110°	8.6	0.3
110°-120°	0.5	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°	3189.6	98.5
0°-180°	3237.0	100.0

Coefficient of Utilization



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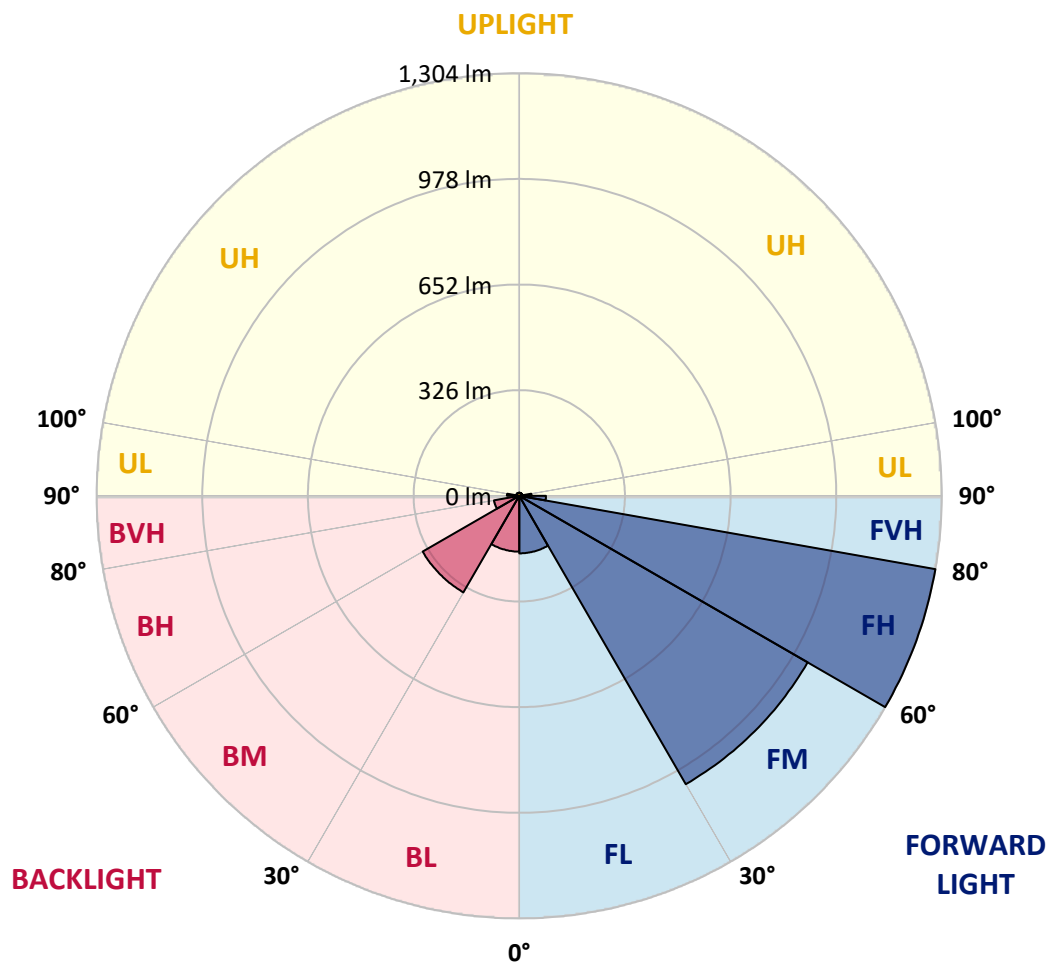
CATALOG NUMBER: CRTK2-C015-5TLD-U-T5R-7030-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	177.5	5.5			
FM	(30°-60°)	1027.3	31.7			
FH	(60°-80°)	1303.7	40.3			G1/1800
FVH	(80°-90°)	82.4	2.5			G1/100
BL	(0°-30°)	172.1	5.3	B1/500		
BM	(30°-60°)	344.0	10.6	B1/1000		
BH	(60°-80°)	79.2	2.4	B0/110		G0/110
BVH	(80°-90°)	3.3	0.1			G0/10
UL	(90°-100°)	37.8	1.2		U2/50	
UH	(100°-180°)	9.6	0.3		U1/10	

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°	449.4	449.4	449.4	449.4	449.4	449.4	449.4	449.4	449.4	449.4	449.4
2.5°	449.4	449.4	449.4	449.4	451.0	449.4	447.8	444.6	444.6	444.6	444.6
5°	443.1	443.1	444.6	444.6	443.1	441.5	438.3	438.3	436.7	436.7	436.7
7.5°	433.6	433.6	433.6	435.1	432.0	427.2	425.7	424.1	422.5	420.9	419.3
10°	419.3	419.3	419.3	417.7	414.6	409.8	406.7	403.5	403.5	401.9	400.3
12.5°	409.8	409.8	409.8	408.2	403.5	400.3	395.6	392.4	390.8	390.8	389.3
15°	406.7	406.7	406.7	405.1	400.3	397.2	392.4	389.3	386.1	384.5	382.9
17.5°	406.7	406.7	406.7	403.5	401.9	397.2	392.4	389.3	387.7	386.1	384.5
20°	411.4	413.0	411.4	409.8	405.1	401.9	397.2	392.4	390.8	390.8	389.3
22.5°	424.1	422.5	422.5	420.9	416.2	411.4	408.2	405.1	401.9	401.9	400.3
25°	438.3	439.9	439.9	436.7	433.6	428.8	424.1	419.3	417.7	416.2	414.6
27.5°	458.9	458.9	460.5	457.3	452.6	449.4	444.6	441.5	438.3	435.1	433.6
30°	484.2	485.8	485.8	482.6	477.9	471.5	468.4	463.6	458.9	458.9	454.1
32.5°	517.4	520.6	519.0	515.8	511.1	504.8	501.6	496.9	493.7	488.9	485.8
35°	563.3	564.9	563.3	560.2	552.2	545.9	542.7	539.6	536.4	530.1	523.8
37.5°	614.0	615.5	617.1	614.0	604.5	595.0	591.8	587.1	585.5	577.6	574.4
40°	672.5	675.7	674.1	669.3	661.4	651.9	650.3	645.6	640.9	636.1	628.2
42.5°	743.7	743.7	742.1	739.0	732.6	721.6	718.4	713.6	710.5	701.0	688.3
45°	826.0	827.6	822.8	818.1	816.5	807.0	799.1	794.3	784.8	773.8	759.5
47.5°	922.5	920.9	914.6	909.9	908.3	900.4	894.0	884.5	871.9	859.2	832.3
50°	1022.2	1022.2	1011.1	1006.4	1009.5	998.5	990.6	979.5	966.8	954.2	914.6
52.5°	1129.8	1125.1	1114.0	1115.6	1110.8	1099.7	1090.2	1082.3	1069.7	1058.6	995.3
55°	1237.4	1231.1	1213.7	1215.2	1207.3	1194.7	1188.3	1178.9	1175.7	1163.0	1072.8
57.5°	1337.1	1329.2	1310.2	1308.6	1302.3	1288.0	1284.9	1273.8	1265.9	1259.6	1131.4
60°	1433.6	1425.7	1408.3	1402.0	1389.3	1375.1	1376.6	1370.3	1365.6	1359.2	1196.3
62.5°	1520.6	1511.1	1495.3	1482.7	1465.3	1452.6	1454.2	1451.0	1454.2	1452.6	1251.6
65°	1639.3	1629.8	1606.1	1583.9	1558.6	1539.6	1538.0	1542.8	1576.0	1579.2	1337.1
67.5°	1680.5	1671.0	1640.9	1614.0	1593.4	1579.2	1576.0	1574.4	1583.9	1606.1	1319.7
70°	1550.7	1544.4	1515.9	1496.9	1476.3	1466.8	1457.3	1462.1	1471.6	1470.0	1210.5
72.5°	1338.7	1373.5	1337.1	1319.7	1314.9	1289.6	1295.9	1291.2	1297.5	1295.9	1076.0
75°	1107.6	1098.2	1090.2	1120.3	1098.2	1079.2	1090.2	1101.3	1112.4	1099.7	943.1
77.5°	805.4	811.7	808.6	819.7	840.2	830.7	824.4	851.3	856.1	813.3	732.6
80°	405.1	430.4	438.3	457.3	468.4	447.8	430.4	468.4	462.0	413.0	371.9
82.5°	106.0	107.6	123.4	145.6	148.7	145.6	148.7	145.6	126.6	80.7	68.0
85°	88.6	88.6	109.2	132.9	137.7	131.3	131.3	123.4	98.1	50.6	41.1
87.5°	72.8	76.0	98.1	120.3	123.4	117.1	115.5	106.0	85.4	44.3	34.8
90°	64.9	68.0	88.6	107.6	109.2	102.9	101.3	94.9	77.5	44.3	34.8
92.5°	71.2	72.8	87.0	98.1	98.1	93.4	91.8	87.0	76.0	55.4	42.7
95°	63.3	64.9	71.2	76.0	74.4	69.6	72.8	68.0	63.3	52.2	39.6
97.5°	52.2	53.8	55.4	55.4	53.8	50.6	53.8	52.2	49.1	42.7	31.6
100°	39.6	39.6	39.6	41.1	39.6	38.0	39.6	36.4	34.8	30.1	22.2
102.5°	26.9	26.9	26.9	26.9	26.9	26.9	26.9	23.7	22.2	19.0	12.7
105°	15.8	15.8	14.2	15.8	15.8	14.2	14.2	12.7	9.5	7.9	4.7
107.5°	6.3	6.3	4.7	4.7	4.7	4.7	3.2	1.6	1.6	1.6	1.6
110°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
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	1.6
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
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	1.6
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	1.6	1.6	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
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°	449.4	449.4	449.4	449.4	449.4	449.4	449.4	449.4	449.4	449.4
2.5°	444.6	444.6	444.6	444.6	444.6	444.6	446.2	447.8	449.4	449.4
5°	436.7	436.7	436.7	435.1	436.7	438.3	439.9	439.9	441.5	441.5
7.5°	420.9	419.3	419.3	419.3	420.9	424.1	424.1	425.7	427.2	427.2
10°	400.3	400.3	400.3	400.3	401.9	405.1	405.1	408.2	408.2	408.2
12.5°	389.3	389.3	387.7	386.1	389.3	389.3	394.0	395.6	397.2	400.3
15°	382.9	381.3	382.9	382.9	384.5	386.1	387.7	390.8	392.4	394.0
17.5°	382.9	382.9	382.9	384.5	386.1	386.1	387.7	390.8	392.4	394.0
20°	389.3	389.3	387.7	387.7	389.3	389.3	392.4	395.6	397.2	398.8
22.5°	398.8	397.2	397.2	395.6	397.2	398.8	401.9	405.1	405.1	405.1
25°	411.4	409.8	409.8	409.8	413.0	413.0	416.2	419.3	419.3	419.3
27.5°	432.0	428.8	427.2	427.2	427.2	428.8	432.0	433.6	435.1	435.1
30°	449.4	446.2	444.6	443.1	444.6	446.2	449.4	452.6	452.6	452.6
32.5°	481.0	473.1	468.4	470.0	470.0	471.5	474.7	474.7	476.3	476.3
35°	517.4	509.5	501.6	503.2	503.2	504.8	504.8	504.8	507.9	504.8
37.5°	563.3	550.7	544.3	545.9	542.7	542.7	542.7	542.7	541.2	544.3
40°	612.4	593.4	587.1	588.6	587.1	585.5	585.5	587.1	585.5	587.1
42.5°	604.5	525.3	544.3	566.5	582.3	593.4	606.0	612.4	612.4	618.7
45°	528.5	311.7	333.9	363.9	389.3	416.2	428.8	438.3	444.6	457.3
47.5°	458.9	112.3	128.2	148.7	175.6	175.6	197.8	207.3	210.5	221.5
50°	446.2	17.4	14.2	15.8	17.4	19.0	20.6	25.3	25.3	31.6
52.5°	485.8	15.8	9.5	6.3	6.3	4.7	3.2	3.2	3.2	4.7
55°	530.1	17.4	9.5	6.3	4.7	4.7	1.6	1.6	1.6	1.6
57.5°	568.1	15.8	7.9	6.3	4.7	3.2	0.0	0.0	0.0	0.0
60°	609.2	17.4	9.5	6.3	4.7	3.2	0.0	0.0	0.0	0.0
62.5°	645.6	17.4	9.5	6.3	4.7	1.6	0.0	0.0	0.0	0.0
65°	697.8	19.0	9.5	6.3	3.2	0.0	0.0	0.0	0.0	0.0
67.5°	707.3	19.0	9.5	4.7	1.6	0.0	0.0	0.0	0.0	0.0
70°	631.4	15.8	6.3	3.2	1.6	0.0	0.0	0.0	0.0	0.0
72.5°	542.7	9.5	4.7	1.6	0.0	0.0	0.0	0.0	0.0	0.0
75°	436.7	7.9	3.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	292.7	6.3	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
80°	131.3	4.7	1.6	1.6	0.0	0.0	1.6	1.6	0.0	0.0
82.5°	28.5	3.2	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
85°	19.0	3.2	1.6	1.6	0.0	0.0	1.6	1.6	0.0	0.0
87.5°	17.4	1.6	1.6	1.6	0.0	0.0	0.0	1.6	0.0	0.0
90°	17.4	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	20.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	19.0	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	14.2	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	9.5	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	4.7	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	1.6	1.6	1.6	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°	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	1.6	1.6	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°	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	1.6	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°	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	1.6	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°	1.6	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°	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	1.6	1.6	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	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	1.6	1.6	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)