

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: P691373

Luminaire Tested: **CRTK2-C015-D-U-T5R-8027-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691373
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-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: 2633 lumens
Efficiency: N/A
Efficacy: 88.1 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): 29.9
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

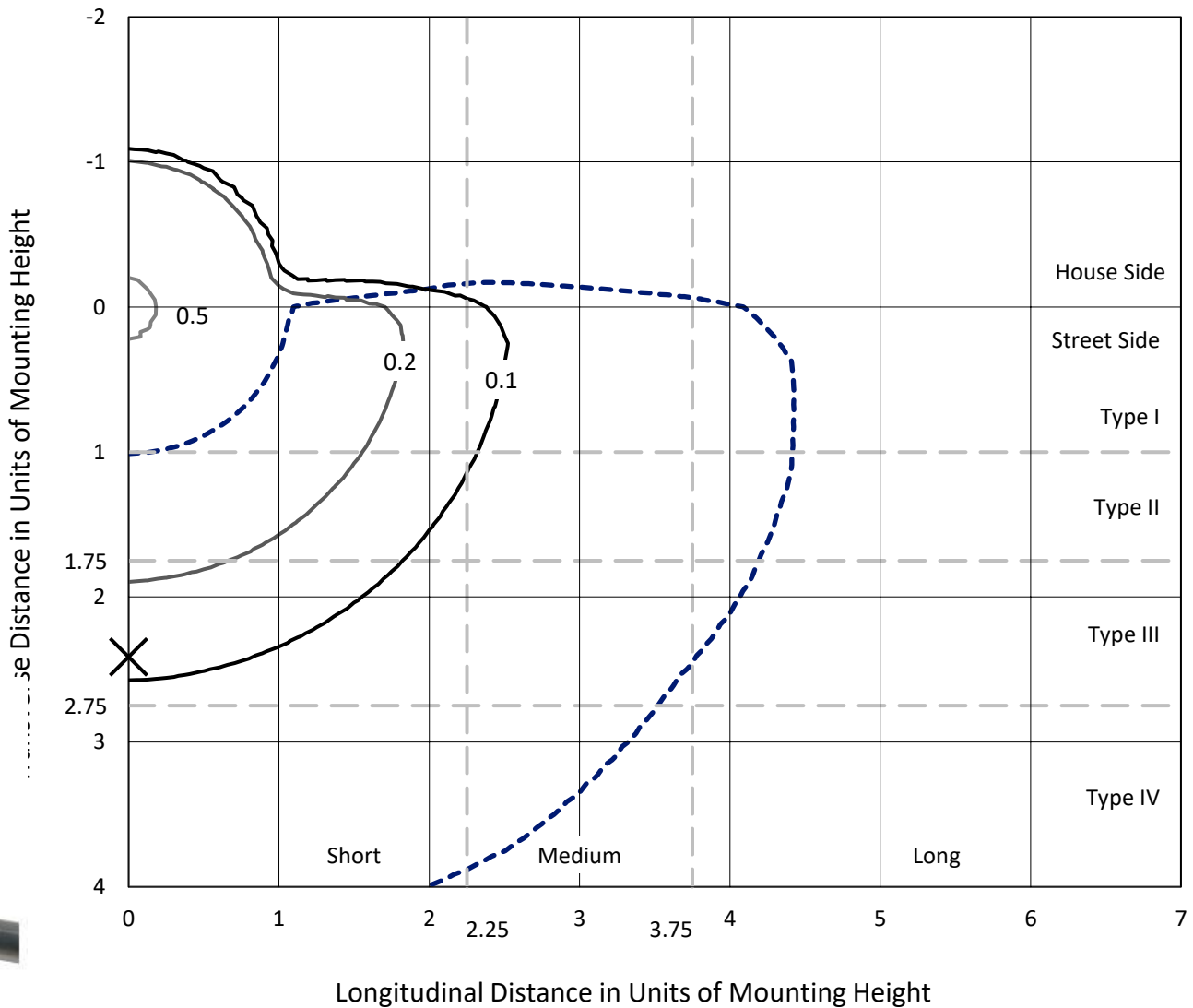


REPORT NUMBER: P691373

CATALOG NUMBER: CRTK2-C015-D-U-T5R-8027-DS-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

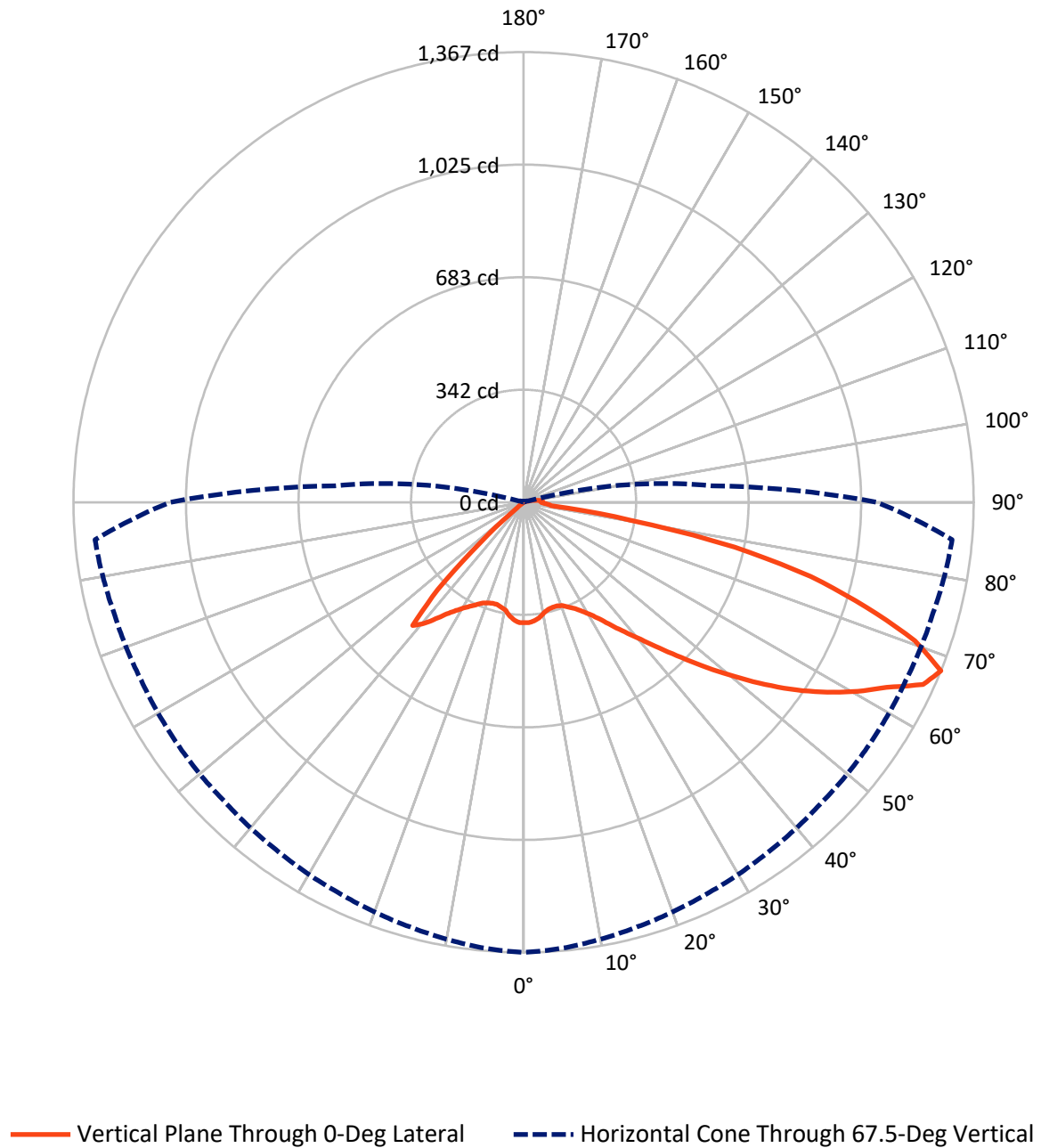


Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type IV - Short - N/A

REPORT NUMBER: P691373

CATALOG NUMBER: CRTK2-C015-D-U-T5R-8027-DS-HSS-CRTK2

Luminous Intensity Polar Plot



REPORT NUMBER: P691373

CATALOG NUMBER: CRTK2-C015-D-U-T5R-8027-DS-HSS-CRTK2

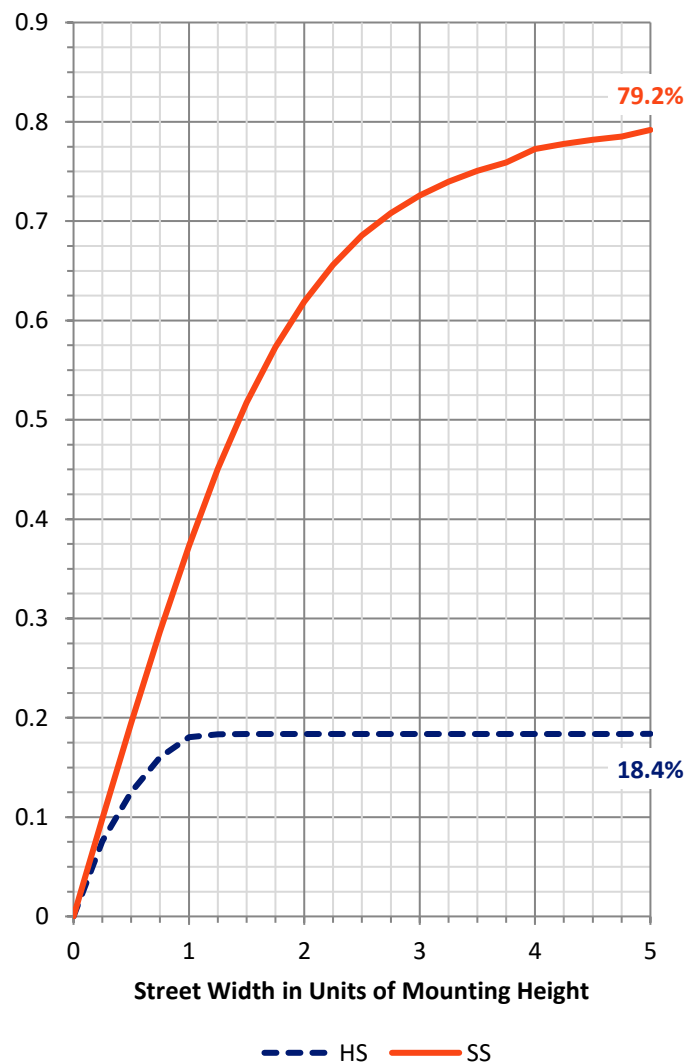
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	487.0	2.0	489.0
	% Fixture	18.5	0.1	18.6
Street Side	Lumens	2107.5	36.6	2144.1
	% Fixture	80.0	1.4	81.4
Total	Lumens	2594.5	38.6	2633.0
	% Fixture	98.5	1.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.3	1.3
10°-20°	90.9	3.5
20°-30°	160.2	6.1
30°-40°	273.9	10.4
40°-50°	376.4	14.3
50°-60°	465.2	17.7
60°-70°	650.1	24.7
70°-80°	474.8	18.0
80°-90°	69.7	2.6
90°-100°	30.7	1.2
100°-110°	7.0	0.3
110°-120°	0.4	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°	2594.5	98.5
0°-180°	2633.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691373

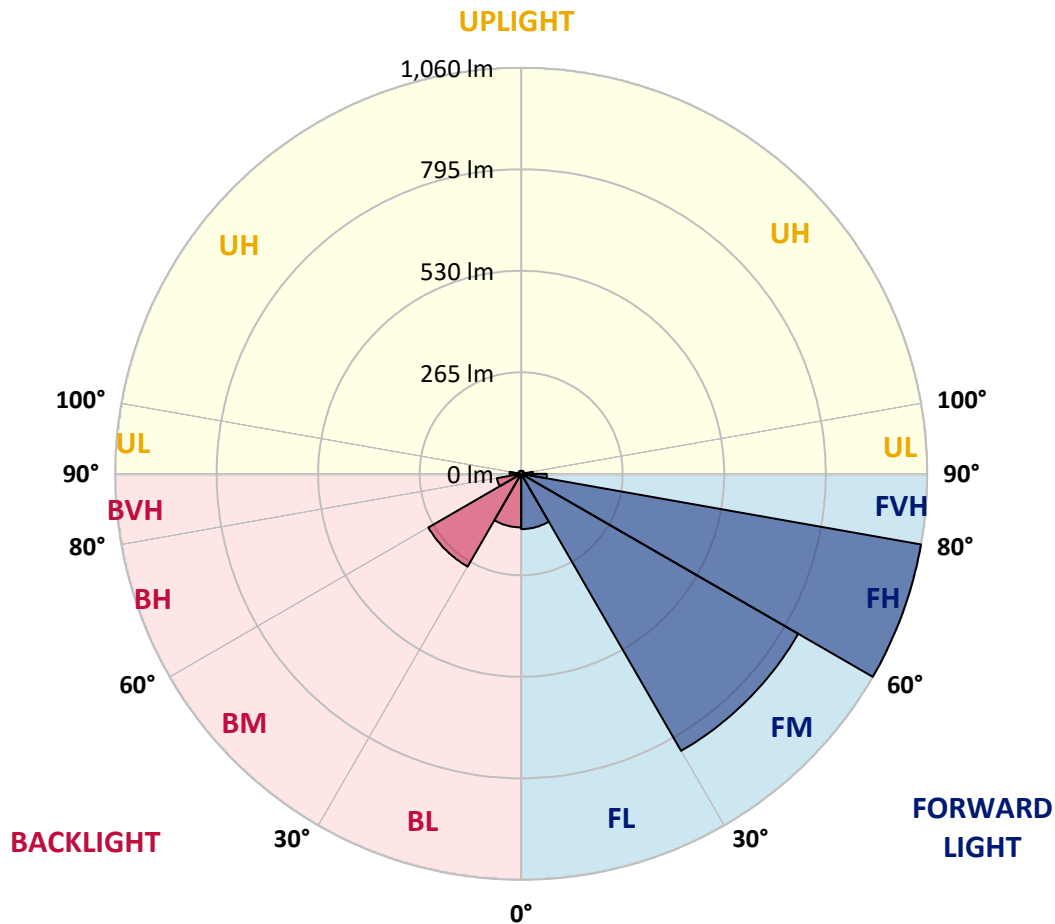
CATALOG NUMBER: CRTK2-C015-D-U-T5R-8027-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	144.4	5.5			
FM	(30°-60°)	835.6	31.7			
FH	(60°-80°)	1060.5	40.3			G1/1800
FVH	(80°-90°)	67.0	2.5			G1/100
BL	(0°-30°)	140.0	5.3	B1/500		
BM	(30°-60°)	279.8	10.6	B1/1000		
BH	(60°-80°)	64.4	2.4	B0/110		G0/110
BVH	(80°-90°)	2.7	0.1			G0/10
UL	(90°-100°)	30.7	1.2		U2/50	
UH	(100°-180°)	7.8	0.3		U1/10	

BUG Rating: B1-U2-G1

Type IV Short



REPORT NUMBER: P691373

CATALOG NUMBER: CRTK2-C015-D-U-T5R-8027-DS-HSS-CRTK2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5
2.5°	365.5	365.5	365.5	365.5	366.8	365.5	364.2	361.7	361.7	361.7	361.7
5°	360.4	360.4	361.7	361.7	360.4	359.1	356.5	356.5	355.2	355.2	355.2
7.5°	352.7	352.7	352.7	354.0	351.4	347.5	346.2	344.9	343.7	342.4	341.1
10°	341.1	341.1	341.1	339.8	337.2	333.4	330.8	328.2	328.2	326.9	325.6
12.5°	333.4	333.4	333.4	332.1	328.2	325.6	321.8	319.2	317.9	317.9	316.6
15°	330.8	330.8	330.8	329.5	325.6	323.1	319.2	316.6	314.1	312.8	311.5
17.5°	330.8	330.8	330.8	328.2	326.9	323.1	319.2	316.6	315.3	314.1	312.8
20°	334.6	335.9	334.6	333.4	329.5	326.9	323.1	319.2	317.9	317.9	316.6
22.5°	344.9	343.7	343.7	342.4	338.5	334.6	332.1	329.5	326.9	326.9	325.6
25°	356.5	357.8	357.8	355.2	352.7	348.8	344.9	341.1	339.8	338.5	337.2
27.5°	373.3	373.3	374.5	372.0	368.1	365.5	361.7	359.1	356.5	354.0	352.7
30°	393.9	395.1	395.1	392.6	388.7	383.6	381.0	377.1	373.3	373.3	369.4
32.5°	420.9	423.5	422.2	419.6	415.7	410.6	408.0	404.1	401.6	397.7	395.1
35°	458.2	459.5	458.2	455.6	449.2	444.0	441.5	438.9	436.3	431.2	426.0
37.5°	499.4	500.7	502.0	499.4	491.7	483.9	481.4	477.5	476.2	469.8	467.2
40°	547.0	549.6	548.3	544.4	538.0	530.3	529.0	525.1	521.3	517.4	511.0
42.5°	604.9	604.9	603.6	601.1	595.9	586.9	584.3	580.5	577.9	570.2	559.9
45°	671.9	673.2	669.3	665.4	664.1	656.4	650.0	646.1	638.4	629.4	617.8
47.5°	750.4	749.1	743.9	740.1	738.8	732.4	727.2	719.5	709.2	698.9	677.0
50°	831.5	831.5	822.5	818.6	821.2	812.2	805.7	796.7	786.4	776.1	743.9
52.5°	919.0	915.1	906.1	907.4	903.5	894.5	886.8	880.4	870.1	861.1	809.6
55°	1006.5	1001.4	987.2	988.5	982.1	971.8	966.6	958.9	956.3	946.0	872.7
57.5°	1087.6	1081.2	1065.7	1064.4	1059.3	1047.7	1045.1	1036.1	1029.7	1024.5	920.3
60°	1166.1	1159.7	1145.5	1140.4	1130.1	1118.5	1119.8	1114.6	1110.8	1105.6	973.0
62.5°	1236.9	1229.2	1216.3	1206.0	1191.9	1181.6	1182.8	1180.3	1182.8	1181.6	1018.1
65°	1333.4	1325.7	1306.4	1288.4	1267.8	1252.3	1251.1	1254.9	1282.0	1284.5	1087.6
67.5°	1366.9	1359.2	1334.7	1312.8	1296.1	1284.5	1282.0	1280.7	1288.4	1306.4	1073.4
70°	1261.4	1256.2	1233.0	1217.6	1200.9	1193.1	1185.4	1189.3	1197.0	1195.7	984.6
72.5°	1088.9	1117.2	1087.6	1073.4	1069.6	1049.0	1054.1	1050.3	1055.4	1054.1	875.2
75°	901.0	893.2	886.8	911.3	893.2	877.8	886.8	895.8	904.8	894.5	767.1
77.5°	655.1	660.3	657.7	666.7	683.4	675.7	670.6	692.5	696.3	661.6	595.9
80°	329.5	350.1	356.5	372.0	381.0	364.2	350.1	381.0	375.8	335.9	302.5
82.5°	86.2	87.5	100.4	118.4	121.0	118.4	121.0	118.4	103.0	65.6	55.3
85°	72.1	72.1	88.8	108.1	112.0	106.8	106.8	100.4	79.8	41.2	33.5
87.5°	59.2	61.8	79.8	97.8	100.4	95.2	94.0	86.2	69.5	36.0	28.3
90°	52.8	55.3	72.1	87.5	88.8	83.7	82.4	77.2	63.1	36.0	28.3
92.5°	57.9	59.2	70.8	79.8	79.8	75.9	74.7	70.8	61.8	45.0	34.8
95°	51.5	52.8	57.9	61.8	60.5	56.6	59.2	55.3	51.5	42.5	32.2
97.5°	42.5	43.8	45.0	45.0	43.8	41.2	43.8	42.5	39.9	34.8	25.7
100°	32.2	32.2	32.2	33.5	32.2	30.9	32.2	29.6	28.3	24.5	18.0
102.5°	21.9	21.9	21.9	21.9	21.9	21.9	21.9	19.3	18.0	15.4	10.3
105°	12.9	12.9	11.6	12.9	12.9	11.6	11.6	10.3	7.7	6.4	3.9
107.5°	5.1	5.1	3.9	3.9	3.9	3.9	2.6	1.3	1.3	1.3	1.3
110°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0

REPORT NUMBER: P691373

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
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	1.3
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
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	1.3
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	1.3	1.3	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3
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°	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5
2.5°	361.7	361.7	361.7	361.7	361.7	361.7	363.0	364.2	365.5	365.5
5°	355.2	355.2	355.2	354.0	355.2	356.5	357.8	357.8	359.1	359.1
7.5°	342.4	341.1	341.1	341.1	342.4	344.9	344.9	346.2	347.5	347.5
10°	325.6	325.6	325.6	325.6	326.9	329.5	329.5	332.1	332.1	332.1
12.5°	316.6	316.6	315.3	314.1	316.6	316.6	320.5	321.8	323.1	325.6
15°	311.5	310.2	311.5	311.5	312.8	314.1	315.3	317.9	319.2	320.5
17.5°	311.5	311.5	311.5	312.8	314.1	314.1	315.3	317.9	319.2	320.5
20°	316.6	316.6	315.3	315.3	316.6	316.6	319.2	321.8	323.1	324.3
22.5°	324.3	323.1	323.1	321.8	323.1	324.3	326.9	329.5	329.5	329.5
25°	334.6	333.4	333.4	333.4	335.9	335.9	338.5	341.1	341.1	341.1
27.5°	351.4	348.8	347.5	347.5	347.5	348.8	351.4	352.7	354.0	354.0
30°	365.5	363.0	361.7	360.4	361.7	363.0	365.5	368.1	368.1	368.1
32.5°	391.3	384.8	381.0	382.3	382.3	383.6	386.1	386.1	387.4	387.4
35°	420.9	414.4	408.0	409.3	409.3	410.6	410.6	410.6	413.2	410.6
37.5°	458.2	447.9	442.8	444.0	441.5	441.5	441.5	441.5	440.2	442.8
40°	498.1	482.7	477.5	478.8	477.5	476.2	476.2	477.5	476.2	477.5
42.5°	491.7	427.3	442.8	460.8	473.7	482.7	493.0	498.1	498.1	503.3
45°	429.9	253.6	271.6	296.0	316.6	338.5	348.8	356.5	361.7	372.0
47.5°	373.3	91.4	104.3	121.0	142.9	142.9	160.9	168.6	171.2	180.2
50°	363.0	14.2	11.6	12.9	14.2	15.4	16.7	20.6	20.6	25.7
52.5°	395.1	12.9	7.7	5.1	5.1	3.9	2.6	2.6	2.6	3.9
55°	431.2	14.2	7.7	5.1	3.9	3.9	1.3	1.3	1.3	1.3
57.5°	462.1	12.9	6.4	5.1	3.9	2.6	0.0	0.0	0.0	0.0
60°	495.5	14.2	7.7	5.1	3.9	2.6	0.0	0.0	0.0	0.0
62.5°	525.1	14.2	7.7	5.1	3.9	1.3	0.0	0.0	0.0	0.0
65°	567.6	15.4	7.7	5.1	2.6	0.0	0.0	0.0	0.0	0.0
67.5°	575.3	15.4	7.7	3.9	1.3	0.0	0.0	0.0	0.0	0.0
70°	513.6	12.9	5.1	2.6	1.3	0.0	0.0	0.0	0.0	0.0
72.5°	441.5	7.7	3.9	1.3	0.0	0.0	0.0	0.0	0.0	0.0
75°	355.2	6.4	2.6	1.3	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	238.1	5.1	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0
80°	106.8	3.9	1.3	1.3	0.0	0.0	1.3	1.3	0.0	0.0
82.5°	23.2	2.6	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0
85°	15.4	2.6	1.3	1.3	0.0	0.0	1.3	1.3	0.0	0.0
87.5°	14.2	1.3	1.3	1.3	0.0	0.0	0.0	1.3	0.0	0.0
90°	14.2	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	16.7	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	15.4	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	11.6	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	7.7	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	3.9	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	1.3	1.3	1.3	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°	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	1.3	1.3	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°	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	1.3	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°	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	1.3	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°	1.3	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°	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	1.3	1.3	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	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	1.3	1.3	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)