

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: McGRAW-EDISON

Report Number: P197879

Luminaire Tested: **TT-C3-LED-E1-WQ-SG-LWR-LW-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197879
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33418)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-C3-LED-E1-WQ-SG-LWR-LW-7050
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
WIDE DISTRIBUTION WITH SOFTENING GLASS LENS AND LumaWatt WIRELESS SENSOR
Light Source: (168) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4799.1 lumens
Efficiency: N/A
Efficacy: 106.6 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B2 - U0 - G1

Input Watts (W): 45
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: 25 FT



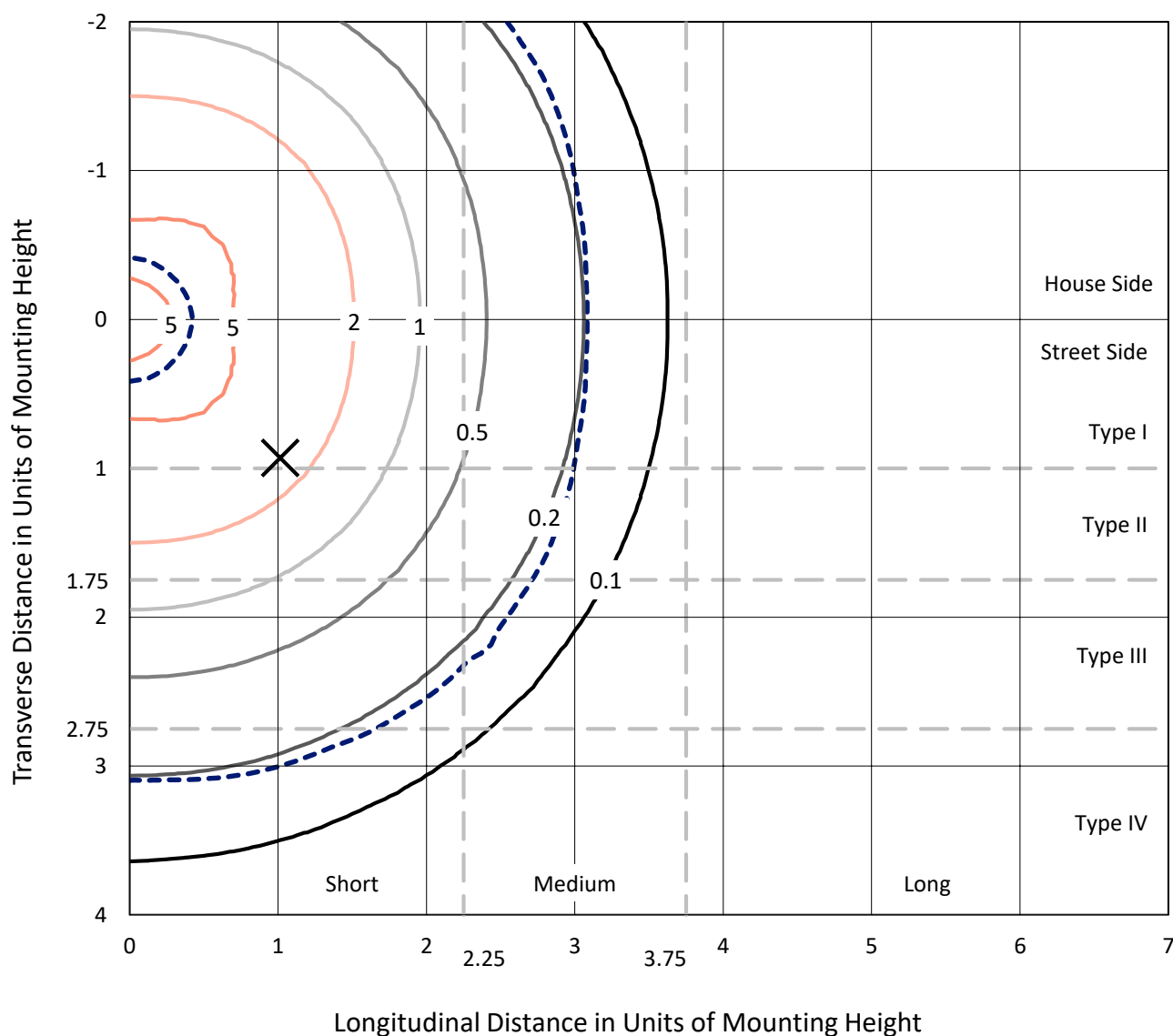
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

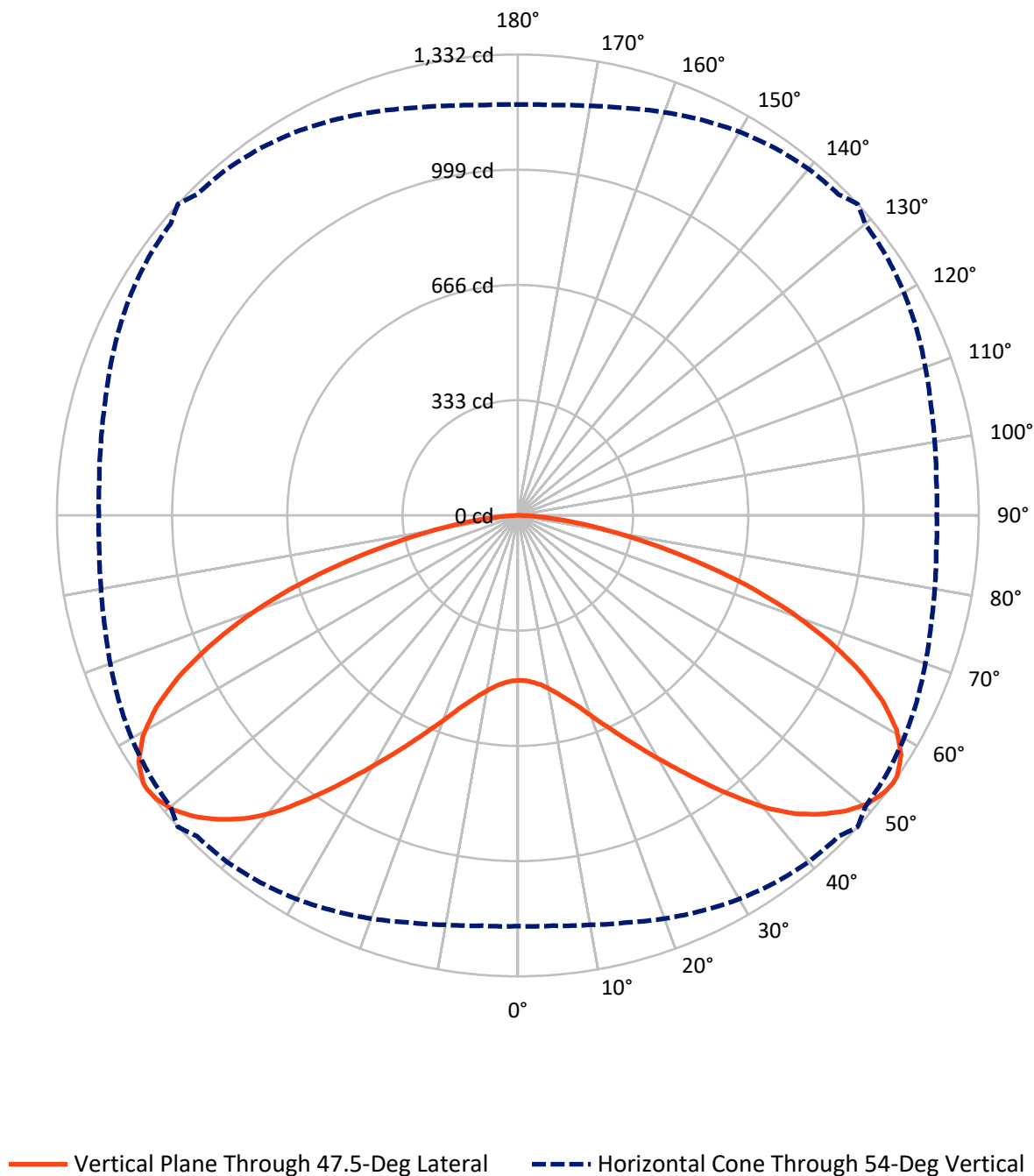


Based on 10 foot mounting height. Maximum calculated value = 5.3 fc
Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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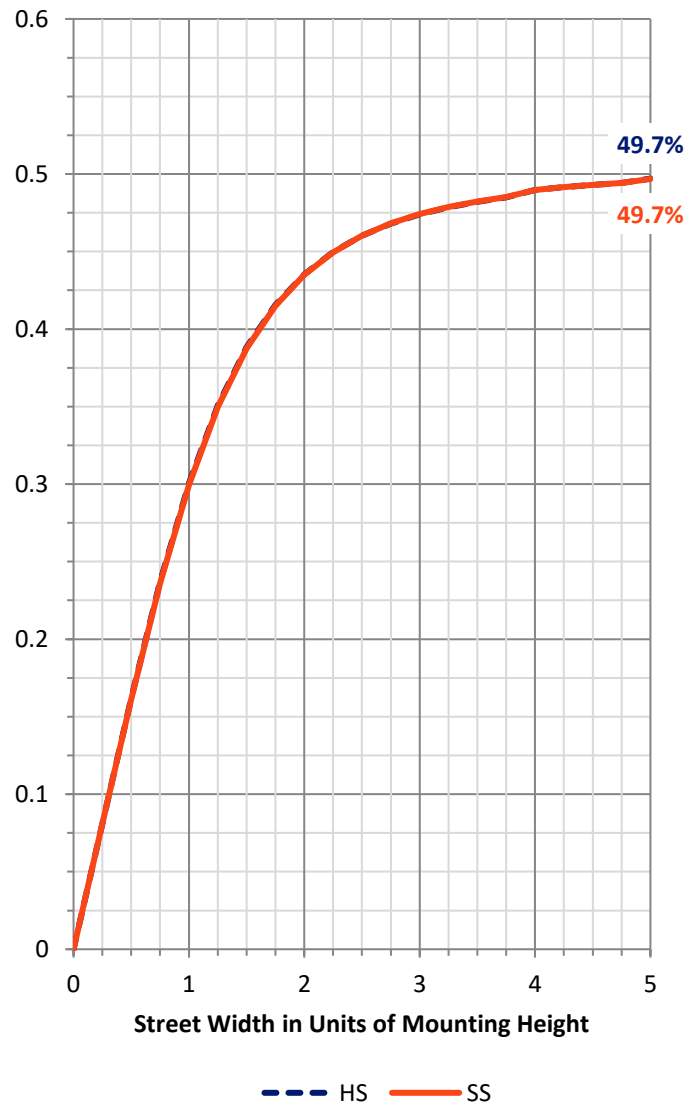
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2399.5	0.0	2399.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2399.5	0.0	2399.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4799.1	0.0	4799.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.0	1.0
10°-20°	159.5	3.3
20°-30°	328.4	6.8
30°-40°	587.2	12.2
40°-50°	900.9	18.8
50°-60°	1110.8	23.1
60°-70°	1004.9	20.9
70°-80°	553.3	11.5
80°-90°	107.0	2.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
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°	4799.1	100.0
0°-180°	4799.1	100.0

Coefficient of Utilization



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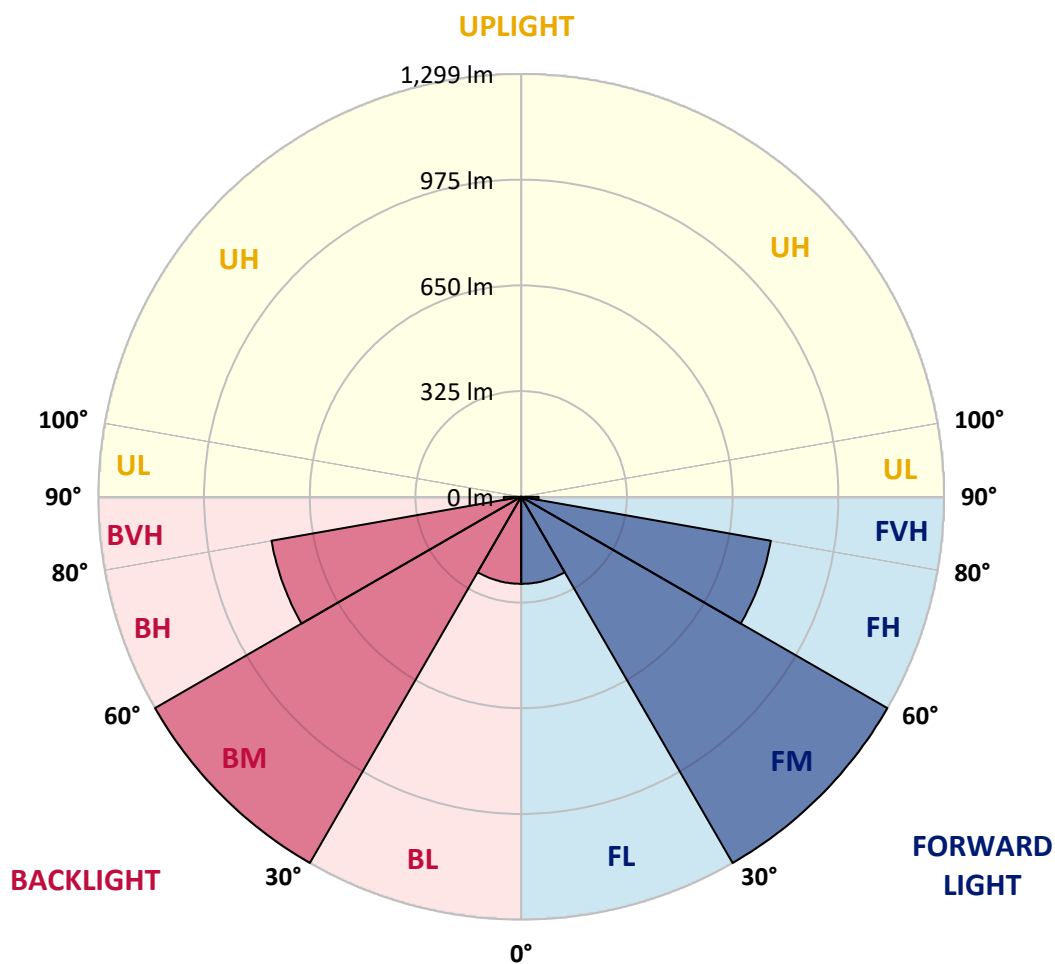
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	267.4	5.6			
FM	(30°-60°)	1299.5	27.1			
FH	(60°-80°)	779.1	16.2			G1/1800
FVH	(80°-90°)	53.5	1.1			G1/100
BL	(0°-30°)	267.4	5.6	B1/500		
BM	(30°-60°)	1299.5	27.1	B2/2500		
BH	(60°-80°)	779.1	16.2	B2/1000		G1/1800
BVH	(80°-90°)	53.5	1.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	47.5°
0°	476.5	476.5	476.5	476.5	476.5	476.5	476.5	476.5	476.5	476.5	476.5
2.5°	478.6	478.6	478.6	478.6	478.6	478.6	478.6	478.6	478.6	478.6	478.6
5°	484.8	484.8	484.8	485.8	484.8	484.8	484.8	484.8	484.8	484.8	484.8
7.5°	495.2	495.2	495.2	495.2	495.2	495.2	494.1	494.1	495.2	494.1	495.2
10°	509.7	508.6	508.6	509.7	509.7	508.6	509.7	509.7	509.7	509.7	510.7
12.5°	528.3	528.3	529.3	529.3	529.3	530.4	530.4	529.3	530.4	530.4	530.4
15°	553.2	553.2	553.2	553.2	554.2	555.2	554.2	554.2	553.2	553.2	555.2
17.5°	582.2	582.2	582.2	582.2	584.3	584.3	583.2	584.3	585.3	585.3	584.3
20°	617.4	616.4	615.3	616.4	618.4	618.4	619.5	620.5	620.5	620.5	622.6
22.5°	654.7	653.7	655.7	656.8	657.8	658.8	658.8	659.9	661.9	660.9	664.0
25°	696.1	695.1	696.1	698.2	702.3	702.3	703.4	705.5	705.5	704.4	711.7
27.5°	742.7	742.7	743.8	747.9	749.0	750.0	753.1	755.2	758.3	758.3	764.5
30°	793.5	792.5	794.5	798.7	801.8	804.9	809.0	814.2	815.3	816.3	822.5
32.5°	845.3	845.3	847.4	854.6	859.8	865.0	871.2	876.4	878.4	878.4	887.8
35°	900.2	901.2	906.4	911.6	922.0	928.2	934.4	941.6	945.8	947.9	960.3
37.5°	958.2	961.3	965.5	972.7	983.1	993.4	1002.8	1014.2	1020.4	1022.4	1035.9
40°	1013.1	1017.3	1023.5	1033.8	1044.2	1058.7	1070.1	1081.5	1088.7	1092.9	1113.6
42.5°	1067.0	1069.1	1076.3	1087.7	1101.2	1114.6	1130.2	1142.6	1149.9	1156.1	1178.9
45°	1109.5	1111.5	1120.9	1134.3	1149.9	1166.4	1182.0	1196.5	1203.7	1208.9	1231.7
47.5°	1144.7	1148.8	1159.2	1172.6	1188.2	1207.9	1225.5	1240.0	1249.3	1252.4	1276.2
50°	1170.6	1176.8	1186.1	1201.7	1220.3	1240.0	1258.6	1274.2	1284.5	1288.7	1310.4
52.5°	1185.1	1190.3	1200.6	1216.2	1237.9	1257.6	1277.3	1292.8	1304.2	1308.4	1328.0
54°	1187.2	1190.3	1201.7	1218.2	1240.0	1260.7	1280.4	1295.9	1307.3	1311.5	1332.2
55°	1185.1	1187.2	1199.6	1215.1	1237.9	1258.6	1278.3	1293.8	1306.3	1310.4	1330.1
57.5°	1164.4	1167.5	1177.8	1194.4	1215.1	1238.9	1257.6	1273.1	1285.6	1287.6	1306.3
60°	1121.9	1126.0	1135.4	1153.0	1173.7	1194.4	1213.0	1226.5	1237.9	1244.1	1257.6
62.5°	1060.8	1062.8	1072.2	1087.7	1106.3	1128.1	1142.6	1156.1	1166.4	1172.6	1184.0
65°	973.8	983.1	990.3	1002.8	1017.3	1034.9	1053.5	1063.9	1069.1	1079.4	1087.7
67.5°	876.4	882.6	889.8	901.2	910.6	922.0	939.6	948.9	955.1	962.4	969.6
70°	767.6	765.5	773.8	780.0	790.4	797.6	809.0	814.2	821.5	825.6	838.0
72.5°	638.1	641.2	648.5	655.7	658.8	660.9	670.2	673.3	679.6	677.5	693.0
75°	521.1	515.9	518.0	519.0	521.1	519.0	525.2	528.3	531.4	528.3	536.6
77.5°	393.6	387.4	389.5	388.5	388.5	386.4	385.4	385.4	386.4	384.3	389.5
80°	271.4	268.3	269.3	271.4	266.2	267.3	261.0	261.0	261.0	261.0	263.1
82.5°	167.8	163.7	162.6	163.7	163.7	160.6	161.6	157.5	156.4	155.4	164.7
85°	81.8	79.8	81.8	79.8	78.7	78.7	76.7	77.7	75.6	74.6	80.8
87.5°	21.8	20.7	20.7	20.7	19.7	20.7	20.7	20.7	20.7	21.8	24.9
90°	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):

	50°	55°	60°	65°	70°	75°	80°	85°	90°
0°	476.5	476.5	476.5	476.5	476.5	476.5	476.5	476.5	476.5
2.5°	478.6	478.6	478.6	478.6	478.6	478.6	478.6	478.6	477.6
5°	484.8	484.8	484.8	484.8	484.8	484.8	484.8	484.8	484.8
7.5°	495.2	495.2	494.1	494.1	494.1	494.1	494.1	494.1	494.1
10°	509.7	510.7	508.6	508.6	509.7	508.6	508.6	507.6	507.6
12.5°	530.4	529.3	530.4	530.4	529.3	528.3	527.3	526.2	527.3
15°	554.2	553.2	553.2	553.2	552.1	552.1	551.1	552.1	551.1
17.5°	583.2	583.2	584.3	581.1	582.2	580.1	580.1	580.1	579.1
20°	620.5	619.5	618.4	615.3	616.4	614.3	613.3	612.2	611.2
22.5°	660.9	658.8	657.8	654.7	655.7	653.7	650.6	648.5	648.5
25°	705.5	703.4	701.3	700.3	699.2	695.1	693.0	689.9	692.0
27.5°	758.3	754.1	751.0	746.9	747.9	742.7	740.7	738.6	738.6
30°	815.3	812.2	807.0	803.9	802.8	797.6	793.5	791.4	790.4
32.5°	877.4	875.3	872.2	867.1	865.0	856.7	853.6	850.5	849.4
35°	951.0	945.8	942.7	935.4	928.2	923.0	915.7	913.7	911.6
37.5°	1019.3	1019.3	1014.2	1005.9	995.5	988.3	982.0	977.9	974.8
40°	1091.8	1089.8	1081.5	1074.2	1063.9	1053.5	1042.1	1038.0	1035.9
42.5°	1156.1	1151.9	1143.6	1134.3	1124.0	1111.5	1099.1	1092.9	1091.8
45°	1209.9	1204.8	1196.5	1184.0	1170.6	1158.1	1146.8	1140.5	1137.4
47.5°	1253.4	1247.2	1236.9	1225.5	1209.9	1195.4	1184.0	1177.8	1173.7
50°	1285.6	1280.4	1269.0	1254.5	1238.9	1222.4	1211.0	1203.7	1200.6
52.5°	1306.3	1299.0	1286.6	1271.1	1253.4	1236.9	1223.4	1215.1	1212.0
54°	1310.4	1302.1	1288.7	1272.1	1253.4	1235.8	1223.4	1214.1	1211.0
55°	1308.4	1300.1	1285.6	1270.0	1250.3	1232.7	1219.3	1209.9	1206.8
57.5°	1286.6	1277.3	1263.8	1247.2	1226.5	1208.9	1196.5	1186.1	1183.0
60°	1240.0	1231.7	1216.2	1201.7	1180.9	1163.3	1149.9	1139.5	1136.4
62.5°	1168.5	1161.3	1147.8	1133.3	1111.5	1096.0	1082.5	1076.3	1068.0
65°	1073.2	1068.0	1054.6	1036.9	1021.4	1005.9	992.4	988.3	983.1
67.5°	959.3	952.0	946.8	929.2	916.8	902.3	888.8	880.5	878.4
70°	824.6	821.5	816.3	799.7	792.5	780.0	770.7	763.5	761.4
72.5°	679.6	676.4	675.4	667.1	657.8	646.4	642.3	636.0	635.0
75°	528.3	526.2	528.3	522.1	519.0	515.9	513.8	513.8	510.7
77.5°	382.3	385.4	386.4	386.4	388.5	388.5	390.5	387.4	384.3
80°	260.0	263.1	262.1	264.2	263.1	270.4	265.2	269.3	265.2
82.5°	156.4	160.6	160.6	160.6	164.7	163.7	163.7	165.7	164.7
85°	76.7	77.7	76.7	75.6	80.8	79.8	79.8	78.7	79.8
87.5°	22.8	20.7	21.8	19.7	21.8	18.6	20.7	20.7	21.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)