

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: P197803

Luminaire Tested: **TT-C2-LED-E1-WQ-CG-LWR-LW-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197803
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P115528)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-C2-LED-E1-WQ-CG-LWR-LW-7050
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
WIDE DISTRIBUTION WITH CLEAR GLASS LENS AND LumaWatt WIRELESS SENSOR
Light Source: (168) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

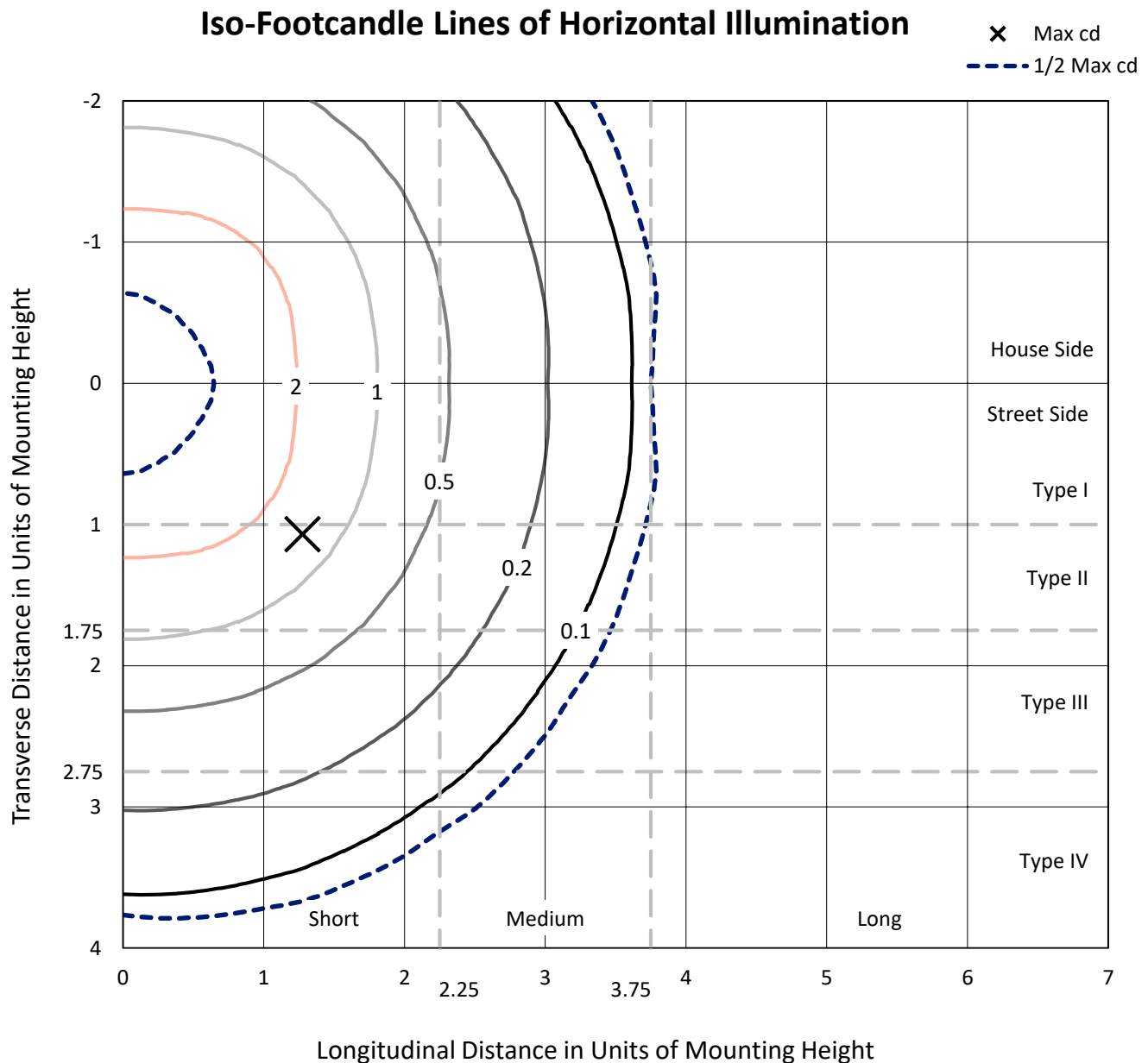
Lumens per Lamp: N/A
Luminaire Lumens: 3640.4 lumens
Efficiency: N/A
Efficacy: 107.1 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B2 - U0 - G1

Input Watts (W): 34
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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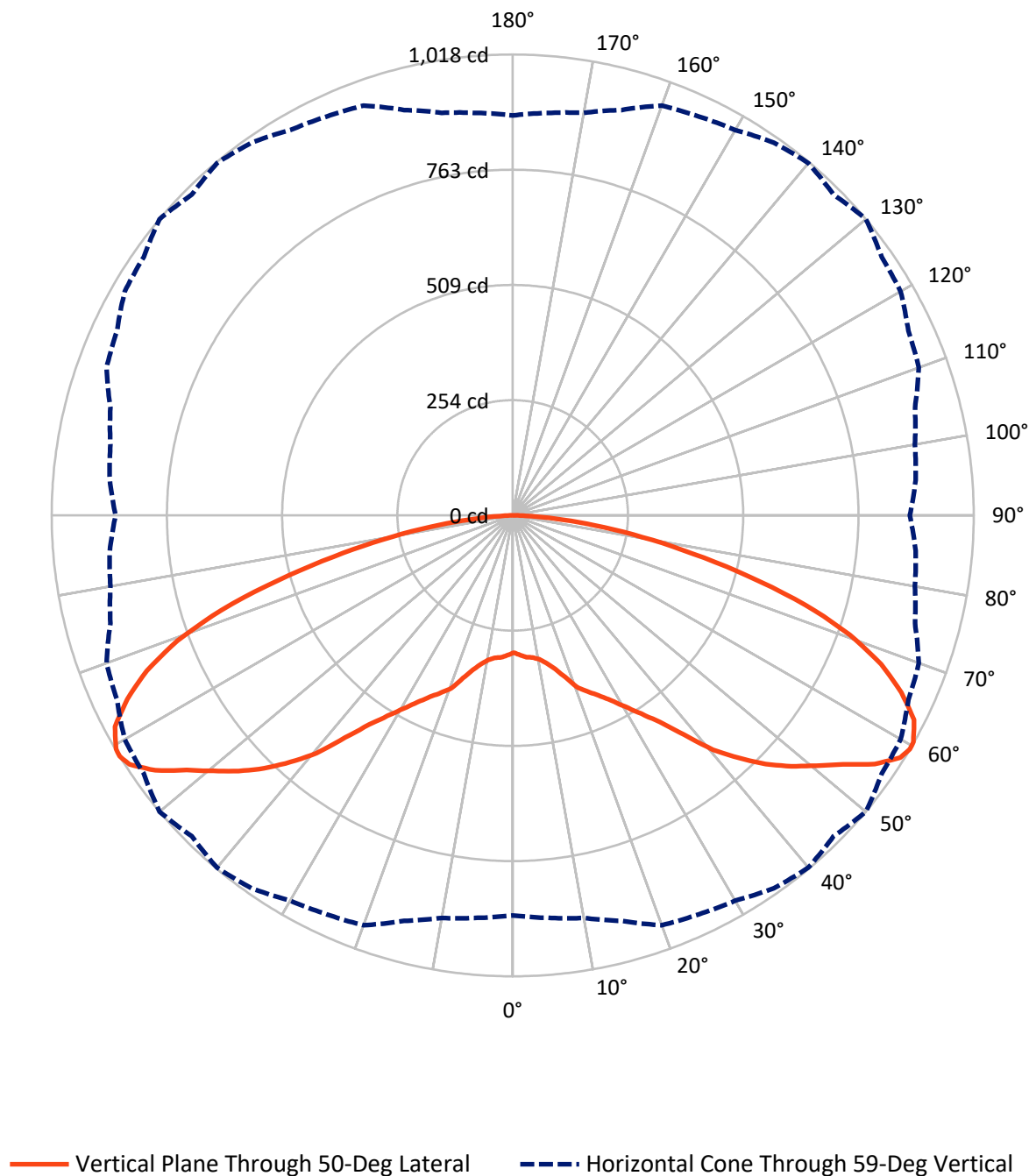


Based on 10 foot mounting height. Maximum calculated value = 3.3 fc
Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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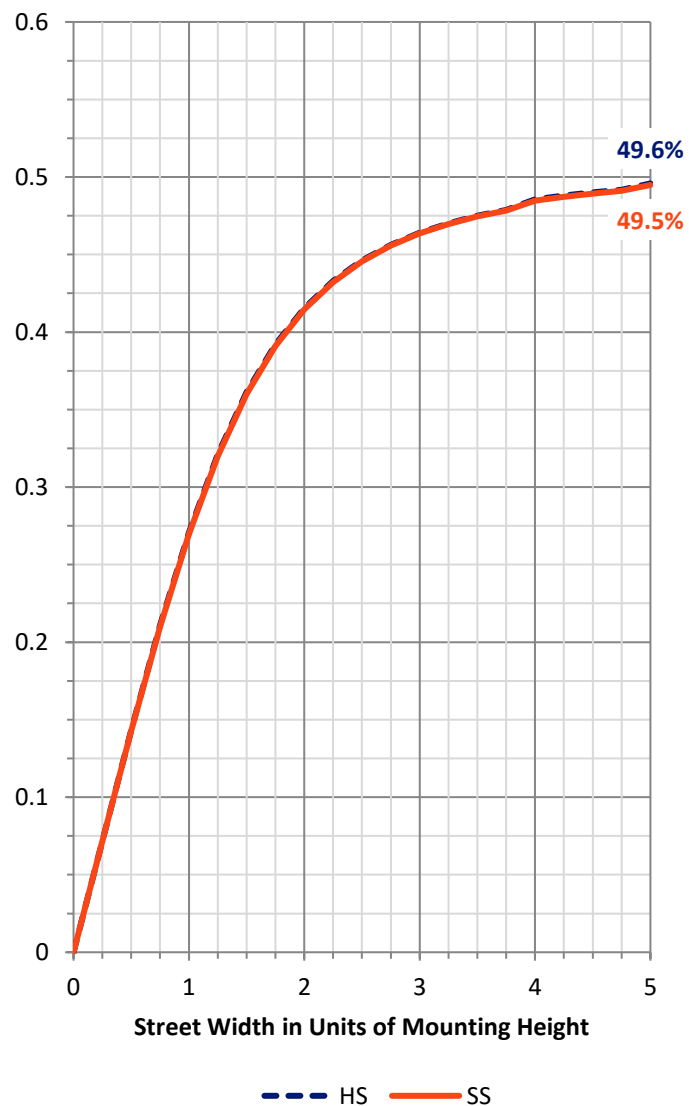
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1820.2	0.0	1820.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1820.2	0.0	1820.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	3640.4	0.0	3640.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.1	0.8
10°-20°	101.7	2.8
20°-30°	204.6	5.6
30°-40°	352.1	9.7
40°-50°	581.3	16.0
50°-60°	818.5	22.5
60°-70°	875.7	24.1
70°-80°	556.2	15.3
80°-90°	120.2	3.3
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°	3640.4	100.0
0°-180°	3640.4	100.0

Coefficient of Utilization



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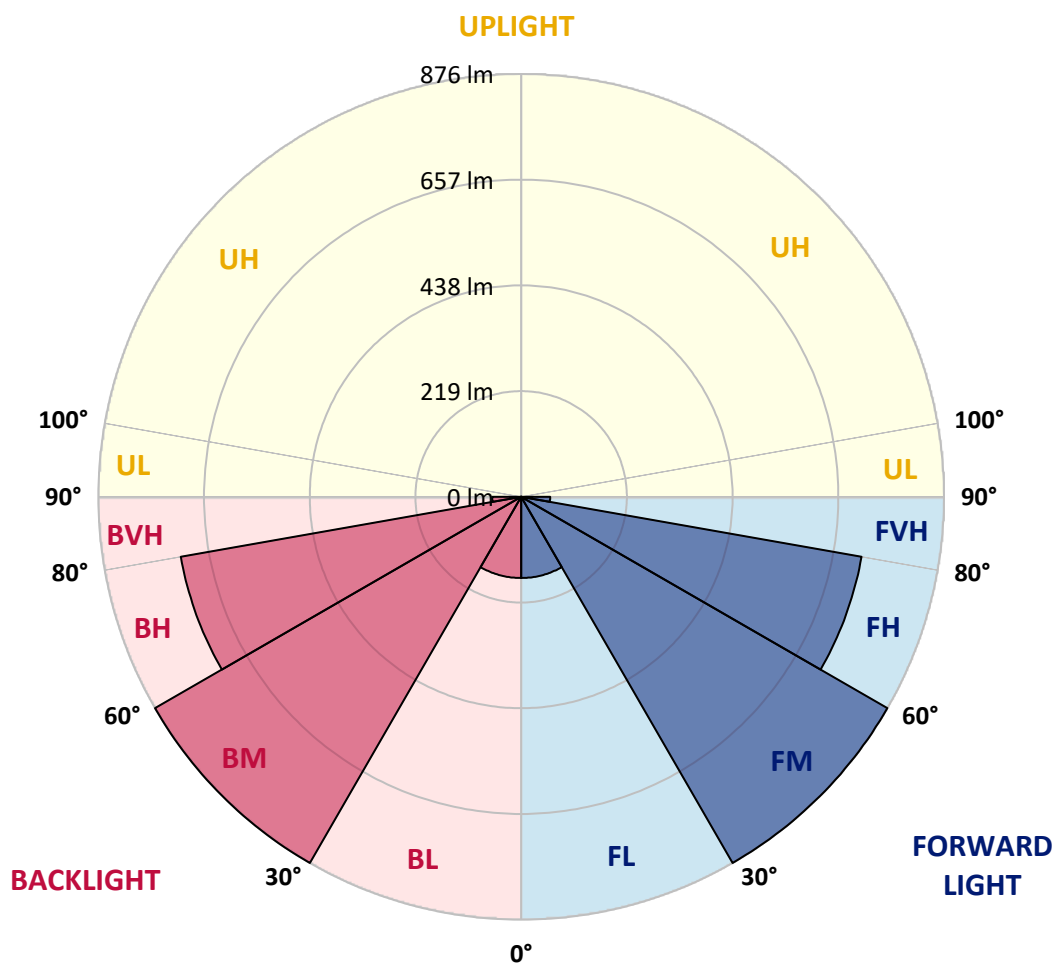
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	168.2	4.6			
FM	(30°-60°)	876.0	24.1			
FH	(60°-80°)	715.9	19.7			G1/1800
FVH	(80°-90°)	60.1	1.7			G1/100
BL	(0°-30°)	168.2	4.6	B1/500		
BM	(30°-60°)	876.0	24.1	B1/1000		
BH	(60°-80°)	715.9	19.7	B2/1000		G1/1800
BVH	(80°-90°)	60.1	1.7			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°	50°
0°	303.0	303.0	303.0	303.0	303.0	303.0	303.0	303.0	303.0	303.0	303.0
2.5°	309.4	308.6	308.6	308.6	308.6	308.6	308.6	308.6	308.6	308.6	308.6
5°	311.0	311.0	311.8	311.8	312.6	312.6	312.6	313.5	313.5	313.5	314.3
7.5°	314.3	313.5	314.3	314.3	314.3	315.1	315.1	315.1	315.9	316.7	316.7
10°	324.7	323.9	324.7	324.7	324.7	323.1	323.1	323.9	323.1	323.1	323.1
12.5°	336.8	336.8	337.6	338.4	338.4	337.6	336.8	336.0	335.2	335.2	335.2
15°	348.1	348.9	349.7	351.3	352.1	352.1	352.9	353.7	352.9	352.9	352.1
17.5°	365.8	367.4	368.2	369.0	369.0	369.0	370.7	373.1	375.5	377.1	375.5
20°	395.6	396.4	398.1	398.1	397.3	398.1	399.7	400.5	402.1	403.7	404.5
22.5°	415.8	417.4	419.8	419.8	419.0	419.8	421.4	421.4	419.8	420.6	422.2
25°	432.7	433.5	435.1	435.9	436.7	440.8	444.0	443.2	440.0	440.8	440.0
27.5°	452.9	454.5	456.1	456.1	456.1	458.5	461.7	463.3	465.7	464.9	462.5
30°	479.4	481.9	482.7	481.9	483.5	485.9	485.1	486.7	490.7	494.8	489.9
32.5°	500.4	502.8	505.2	508.4	514.1	517.3	515.7	516.5	518.9	522.1	522.1
35°	531.8	535.8	537.5	538.3	543.9	550.4	555.2	559.2	558.4	556.0	560.0
37.5°	579.4	583.4	585.0	588.2	595.5	597.1	604.3	614.0	617.2	614.0	614.0
40°	630.1	634.2	642.2	649.5	660.7	663.2	672.0	676.1	684.1	684.9	680.1
42.5°	672.0	676.9	678.5	690.6	705.9	717.1	726.8	727.6	733.3	738.1	732.5
45°	717.1	721.2	723.6	734.9	742.9	756.6	771.9	778.4	780.8	780.0	783.2
47.5°	759.0	764.7	767.1	776.0	785.6	796.9	805.8	824.3	828.3	820.3	827.5
50°	784.8	791.3	796.9	816.3	833.2	842.0	849.3	864.6	873.5	866.2	868.6
52.5°	825.1	826.7	831.6	839.6	864.6	894.4	902.5	907.3	920.2	924.2	913.0
55°	879.9	885.6	889.6	900.1	910.5	931.5	966.9	973.4	970.2	989.5	969.4
57.5°	888.0	898.4	910.5	933.9	954.9	961.3	982.3	1007.2	1004.8	1007.2	1008.8
59°	883.1	892.0	902.5	926.7	962.9	971.8	982.3	1004.8	1015.3	1001.6	1017.7
60°	884.8	891.2	896.8	916.2	954.9	975.0	981.4	995.1	1015.3	996.8	1016.1
62.5°	878.3	886.4	892.8	904.1	922.6	950.8	975.8	969.4	998.4	983.9	994.3
65°	843.7	852.5	865.4	881.5	903.3	911.3	936.3	950.0	943.6	959.7	942.8
67.5°	785.6	793.7	801.8	821.1	845.3	855.7	862.2	887.2	878.3	896.8	877.5
70°	708.3	717.1	728.4	738.9	760.7	769.5	776.8	788.1	791.3	791.3	789.7
72.5°	615.6	622.9	630.1	640.6	653.5	661.5	664.8	667.2	680.1	675.2	676.1
75°	510.9	518.1	521.3	525.4	534.2	533.4	536.7	535.0	543.1	539.9	538.3
77.5°	399.7	402.1	410.9	410.9	408.5	412.6	408.5	406.1	404.5	406.1	406.1
80°	277.2	284.4	290.1	294.1	295.7	294.1	294.9	291.7	291.7	289.3	290.1
82.5°	170.8	178.1	180.5	184.5	185.3	185.3	185.3	182.9	183.7	181.3	182.9
85°	83.8	83.8	87.0	91.1	91.9	93.5	93.5	93.5	93.5	93.5	94.3
87.5°	21.0	21.0	22.6	25.0	25.0	25.8	26.6	27.4	27.4	28.2	28.2
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):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	303.0	303.0	303.0	303.0	303.0	303.0	303.0	303.0
2.5°	308.6	308.6	308.6	308.6	308.6	308.6	308.6	308.6
5°	314.3	313.5	313.5	312.6	312.6	311.8	311.8	311.8
7.5°	317.5	317.5	316.7	315.9	315.1	315.1	315.9	315.9
10°	323.9	325.5	326.3	326.3	325.5	325.5	324.7	324.7
12.5°	334.4	336.0	337.6	339.2	339.2	338.4	336.8	336.0
15°	350.5	350.5	351.3	352.1	352.1	350.5	347.3	347.3
17.5°	372.3	370.7	368.2	369.0	369.9	369.0	365.8	367.4
20°	402.1	398.9	397.3	395.6	398.9	398.9	394.0	394.0
22.5°	423.8	421.4	417.4	416.6	419.0	420.6	416.6	414.2
25°	442.4	443.2	438.3	435.9	436.7	437.5	431.9	432.7
27.5°	462.5	463.3	460.9	456.9	455.3	457.7	453.7	452.0
30°	486.7	485.9	487.5	482.7	478.6	481.1	481.1	477.0
32.5°	518.1	515.7	516.5	510.9	506.0	505.2	502.0	497.2
35°	560.8	554.4	549.5	546.3	537.5	535.8	535.8	530.2
37.5°	616.4	606.8	597.9	597.9	584.2	580.2	582.6	575.3
40°	678.5	675.2	661.5	659.1	644.6	635.0	635.0	626.1
42.5°	723.6	727.6	711.5	701.8	692.2	676.9	678.5	667.2
45°	772.7	770.3	756.6	739.7	736.5	720.4	722.0	710.7
47.5°	819.5	805.0	798.5	781.6	774.4	755.8	761.5	752.6
50°	864.6	848.5	842.0	821.9	812.2	792.1	792.9	776.8
52.5°	911.3	896.8	887.2	861.4	844.5	830.0	826.7	819.5
55°	971.8	956.5	933.1	908.9	896.0	875.1	877.5	866.2
57.5°	995.1	985.5	960.5	946.0	921.8	900.9	896.0	875.9
59°	994.3	988.7	963.7	954.0	919.4	901.7	892.8	876.7
60°	988.7	987.1	962.1	950.0	913.8	897.6	889.6	879.1
62.5°	971.8	971.0	942.8	928.3	898.4	885.6	880.7	867.0
65°	946.8	933.1	911.3	901.7	871.1	861.4	847.7	834.0
67.5°	887.2	856.5	853.3	841.2	814.6	802.6	793.7	780.8
70°	788.9	768.7	768.7	753.4	734.9	729.2	717.1	702.6
72.5°	666.4	661.5	664.0	646.2	637.4	634.2	623.7	610.8
75°	532.6	533.4	531.0	527.0	524.6	525.4	514.1	508.4
77.5°	403.7	410.9	409.3	403.7	409.3	408.5	398.9	396.4
80°	287.7	290.9	292.5	289.3	292.5	290.1	282.0	281.2
82.5°	181.3	182.1	183.7	180.5	181.3	180.5	174.9	174.9
85°	92.7	95.9	91.9	88.6	88.6	85.4	83.8	84.6
87.5°	27.4	29.0	25.8	25.8	24.2	22.6	21.8	21.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)