

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: P197808

Luminaire Tested: **TT-C3-LED-E1-WQ-CG-LWR-LW-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197808
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-C3-LED-E1-WQ-CG-LWR-LW-7060
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
WIDE DISTRIBUTION WITH CLEAR GLASS LENS AND LumaWatt WIRELESS SENSOR
Light Source: (168) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4678.1 lumens
Efficiency: N/A
Efficacy: 104.0 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

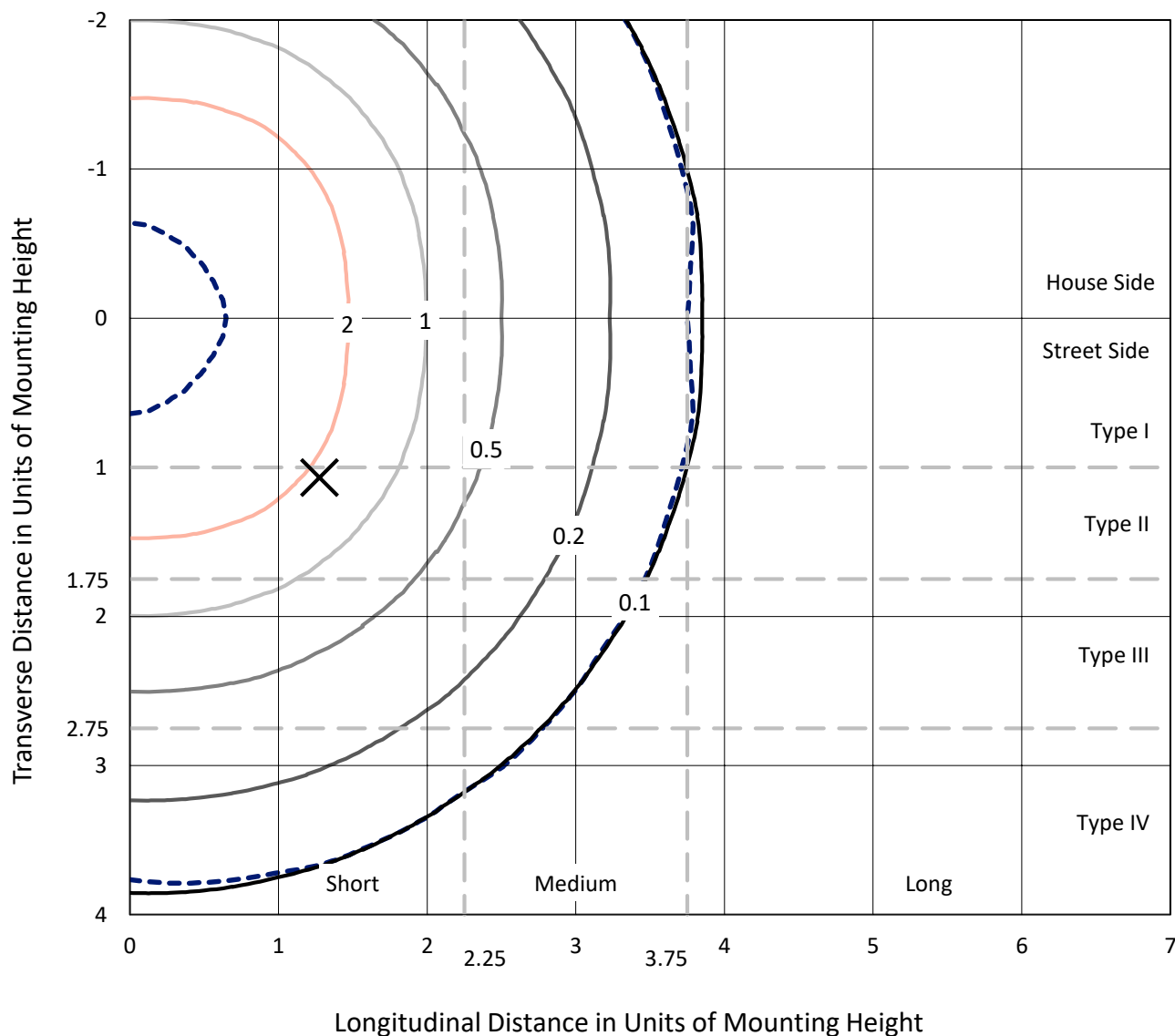


REPORT NUMBER: P197808

CATALOG NUMBER: TT-C3-LED-E1-WQ-CG-LWR-LW-7060

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

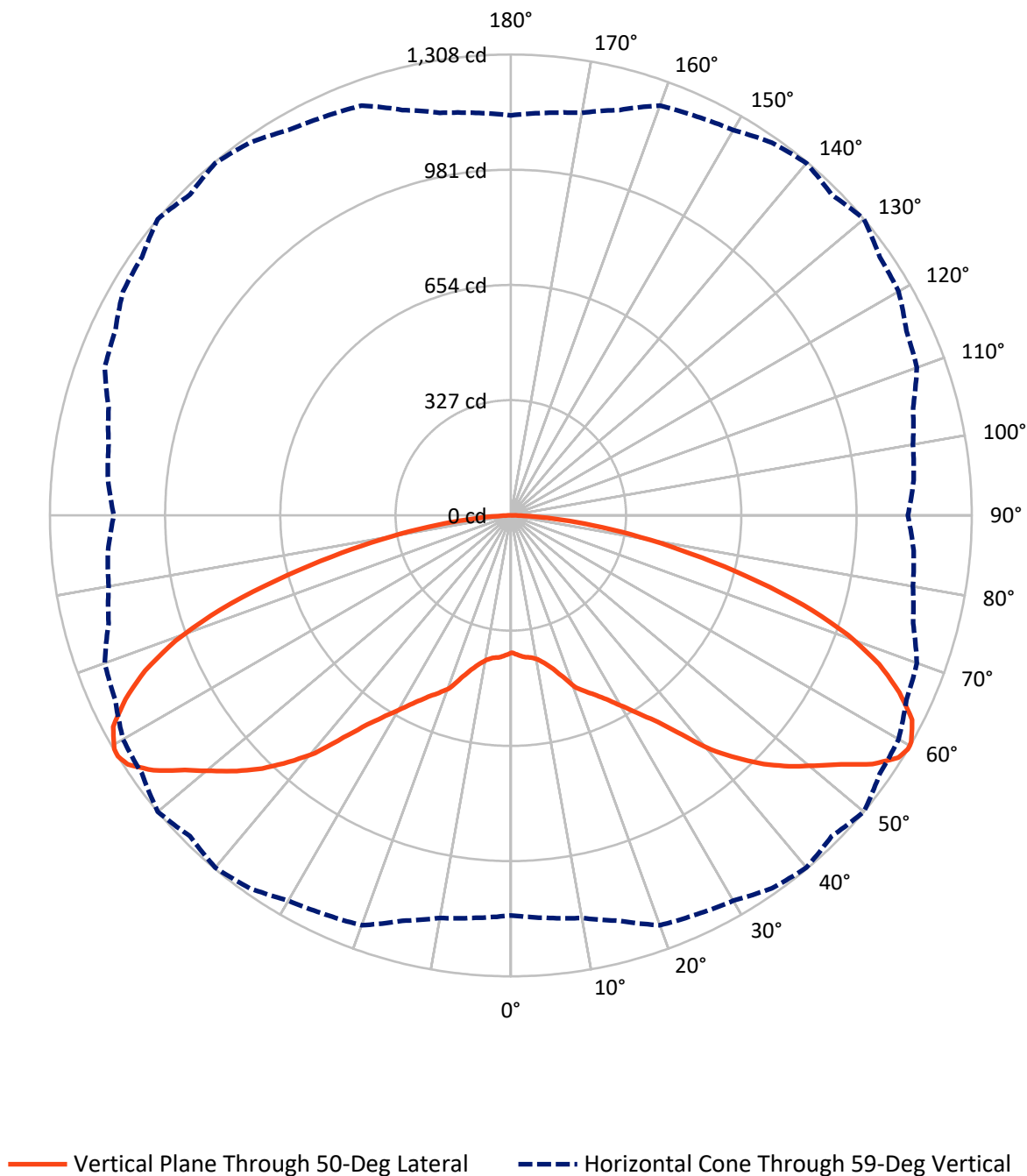


Based on 10 foot mounting height. Maximum calculated value = 4.3 fc
 Type V - Short - Full Cutoff

REPORT NUMBER: P197808

CATALOG NUMBER: TT-C3-LED-E1-WQ-CG-LWR-LW-7060

Luminous Intensity Polar Plot



REPORT NUMBER: P197808

CATALOG NUMBER: TT-C3-LED-E1-WQ-CG-LWR-LW-7060

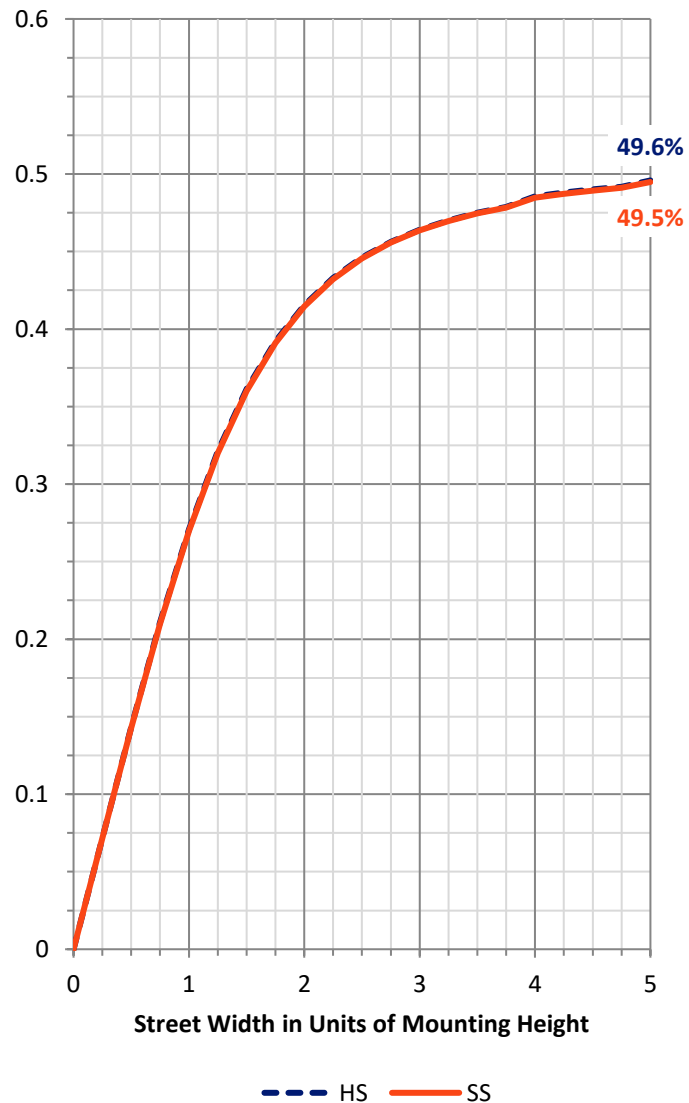
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2339.0	0.0	2339.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2339.0	0.0	2339.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4678.1	0.0	4678.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.7	0.8
10°-20°	130.6	2.8
20°-30°	262.9	5.6
30°-40°	452.5	9.7
40°-50°	747.0	16.0
50°-60°	1051.9	22.5
60°-70°	1125.3	24.1
70°-80°	714.8	15.3
80°-90°	154.5	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°	4678.1	100.0
0°-180°	4678.1	100.0

Coefficient of Utilization



REPORT NUMBER: P197808

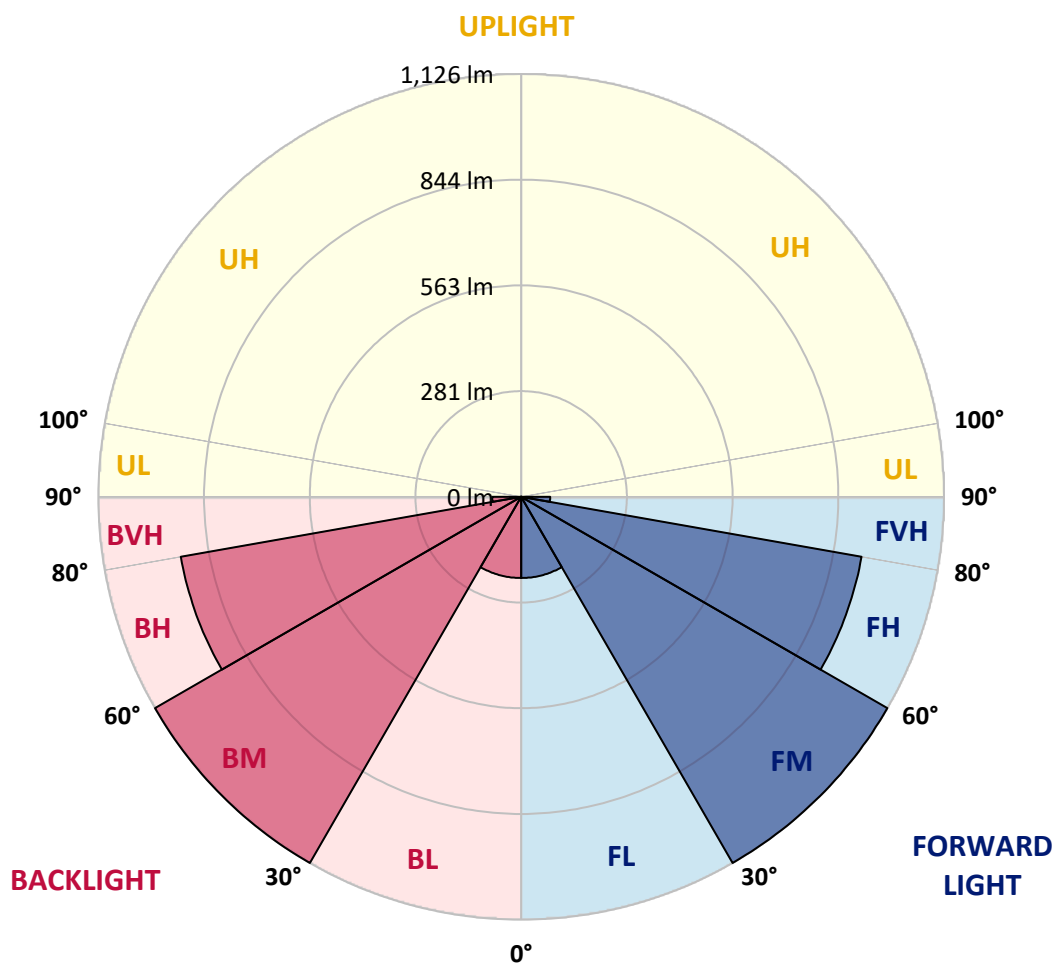
CATALOG NUMBER: TT-C3-LED-E1-WQ-CG-LWR-LW-7060

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	216.1	4.6			
FM	(30°-60°)	1125.6	24.1			
FH	(60°-80°)	920.0	19.7			G1/1800
FVH	(80°-90°)	77.2	1.7			G1/100
BL	(0°-30°)	216.1	4.6	B1/500		
BM	(30°-60°)	1125.6	24.1	B2/2500		
BH	(60°-80°)	920.0	19.7	B2/1000		G1/1800
BVH	(80°-90°)	77.2	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



REPORT NUMBER: P197808

CATALOG NUMBER: TT-C3-LED-E1-WQ-CG-LWR-LW-7060

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	389.3	389.3	389.3	389.3	389.3	389.3	389.3	389.3	389.3	389.3	389.3
2.5°	397.6	396.6	396.6	396.6	396.6	396.6	396.6	396.6	396.6	396.6	396.6
5°	399.7	399.7	400.7	400.7	401.8	401.8	401.8	402.8	402.8	402.8	403.8
7.5°	403.8	402.8	403.8	403.8	403.8	404.9	404.9	404.9	405.9	406.9	406.9
10°	417.3	416.3	417.3	417.3	417.3	415.2	415.2	416.3	415.2	415.2	415.2
12.5°	432.8	432.8	433.9	434.9	434.9	433.9	432.8	431.8	430.8	430.8	430.8
15°	447.3	448.4	449.4	451.5	452.5	452.5	453.5	454.6	453.5	453.5	452.5
17.5°	470.1	472.2	473.2	474.2	474.2	474.2	476.3	479.4	482.5	484.6	482.5
20°	508.4	509.4	511.5	511.5	510.5	511.5	513.6	514.6	516.7	518.8	519.8
22.5°	534.3	536.4	539.5	539.5	538.4	539.5	541.5	541.5	539.5	540.5	542.6
25°	556.0	557.1	559.2	560.2	561.2	566.4	570.5	569.5	565.4	566.4	565.4
27.5°	581.9	584.0	586.1	586.1	586.1	589.2	593.3	595.4	598.5	597.5	594.4
30°	616.1	619.2	620.2	619.2	621.3	624.4	623.4	625.4	630.6	635.8	629.6
32.5°	643.0	646.1	649.2	653.4	660.6	664.8	662.7	663.7	666.8	671.0	671.0
35°	683.4	688.6	690.7	691.7	698.9	707.2	713.4	718.6	717.6	714.5	719.6
37.5°	744.5	749.7	751.7	755.9	765.2	767.3	776.6	789.0	793.2	789.0	789.0
40°	809.7	814.9	825.3	834.6	849.1	852.2	863.6	868.8	879.1	880.1	873.9
42.5°	863.6	869.8	871.9	887.4	907.1	921.6	934.0	935.0	942.3	948.5	941.2
45°	921.6	926.7	929.8	944.3	954.7	972.3	992.0	1000.3	1003.4	1002.3	1006.5
47.5°	975.4	982.7	985.8	997.2	1009.6	1024.1	1035.5	1059.3	1064.5	1054.1	1063.4
50°	1008.5	1016.8	1024.1	1048.9	1070.7	1082.1	1091.4	1111.1	1122.4	1113.1	1116.2
52.5°	1060.3	1062.4	1068.6	1079.0	1111.1	1149.4	1159.7	1165.9	1182.5	1187.7	1173.2
55°	1130.7	1138.0	1143.2	1156.6	1170.1	1197.0	1242.6	1250.8	1246.7	1271.6	1245.7
57.5°	1141.1	1154.5	1170.1	1200.1	1227.0	1235.3	1262.2	1294.3	1291.2	1294.3	1296.4
59°	1134.9	1146.3	1159.7	1190.8	1237.4	1248.8	1262.2	1291.2	1304.7	1287.1	1307.8
60°	1136.9	1145.2	1152.5	1177.3	1227.0	1252.9	1261.2	1278.8	1304.7	1280.9	1305.7
62.5°	1128.7	1139.0	1147.3	1161.8	1185.6	1221.8	1253.9	1245.7	1282.9	1264.3	1277.8
65°	1084.1	1095.5	1112.1	1132.8	1160.8	1171.1	1203.2	1220.8	1212.5	1233.2	1211.5
67.5°	1009.6	1019.9	1030.3	1055.1	1086.2	1099.7	1107.9	1140.0	1128.7	1152.5	1127.6
70°	910.2	921.6	936.1	949.5	977.5	988.9	998.2	1012.7	1016.8	1016.8	1014.8
72.5°	791.1	800.4	809.7	823.2	839.8	850.1	854.3	857.4	873.9	867.7	868.8
75°	656.5	665.8	669.9	675.1	686.5	685.5	689.6	687.5	697.9	693.8	691.7
77.5°	513.6	516.7	528.1	528.1	525.0	530.2	525.0	521.9	519.8	521.9	521.9
80°	356.2	365.5	372.8	377.9	380.0	377.9	379.0	374.8	374.8	371.7	372.8
82.5°	219.5	228.8	231.9	237.1	238.2	238.2	238.2	235.1	236.1	233.0	235.1
85°	107.7	107.7	111.8	117.0	118.0	120.1	120.1	120.1	120.1	120.1	121.1
87.5°	26.9	26.9	29.0	32.1	32.1	33.1	34.2	35.2	35.2	36.2	36.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P197808

CATALOG NUMBER: TT-C3-LED-E1-WQ-CG-LWR-LW-7060

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	389.3	389.3	389.3	389.3	389.3	389.3	389.3	389.3
2.5°	396.6	396.6	396.6	396.6	396.6	396.6	396.6	396.6
5°	403.8	402.8	402.8	401.8	401.8	400.7	400.7	400.7
7.5°	408.0	408.0	406.9	405.9	404.9	404.9	405.9	405.9
10°	416.3	418.3	419.4	419.4	418.3	418.3	417.3	417.3
12.5°	429.7	431.8	433.9	435.9	435.9	434.9	432.8	431.8
15°	450.4	450.4	451.5	452.5	452.5	450.4	446.3	446.3
17.5°	478.4	476.3	473.2	474.2	475.3	474.2	470.1	472.2
20°	516.7	512.6	510.5	508.4	512.6	512.6	506.3	506.3
22.5°	544.7	541.5	536.4	535.3	538.4	540.5	535.3	532.2
25°	568.5	569.5	563.3	560.2	561.2	562.3	555.0	556.0
27.5°	594.4	595.4	592.3	587.1	585.0	588.1	583.0	580.9
30°	625.4	624.4	626.5	620.2	615.1	618.2	618.2	613.0
32.5°	665.8	662.7	663.7	656.5	650.3	649.2	645.1	638.9
35°	720.7	712.4	706.2	702.0	690.7	688.6	688.6	681.3
37.5°	792.1	779.7	768.3	768.3	750.7	745.5	748.6	739.3
40°	871.9	867.7	850.1	847.0	828.4	815.9	815.9	804.6
42.5°	929.8	935.0	914.3	901.9	889.5	869.8	871.9	857.4
45°	993.0	989.9	972.3	950.6	946.4	925.7	927.8	913.3
47.5°	1053.1	1034.4	1026.1	1004.4	995.1	971.3	978.5	967.1
50°	1111.1	1090.3	1082.1	1056.2	1043.7	1017.9	1018.9	998.2
52.5°	1171.1	1152.5	1140.0	1106.9	1085.2	1066.5	1062.4	1053.1
55°	1248.8	1229.1	1199.1	1168.0	1151.4	1124.5	1127.6	1113.1
57.5°	1278.8	1266.4	1234.3	1215.6	1184.6	1157.7	1151.4	1125.6
59°	1277.8	1270.5	1238.4	1226.0	1181.5	1158.7	1147.3	1126.6
60°	1270.5	1268.4	1236.3	1220.8	1174.2	1153.5	1143.2	1129.7
62.5°	1248.8	1247.7	1211.5	1192.9	1154.5	1138.0	1131.8	1114.2
65°	1216.7	1199.1	1171.1	1158.7	1119.3	1106.9	1089.3	1071.7
67.5°	1140.0	1100.7	1096.6	1081.0	1046.9	1031.3	1019.9	1003.4
70°	1013.7	987.8	987.8	968.2	944.3	937.1	921.6	902.9
72.5°	856.3	850.1	853.2	830.4	819.1	814.9	801.5	784.9
75°	684.4	685.5	682.4	677.2	674.1	675.1	660.6	653.4
77.5°	518.8	528.1	526.0	518.8	526.0	525.0	512.6	509.4
80°	369.7	373.8	375.9	371.7	375.9	372.8	362.4	361.4
82.5°	233.0	234.0	236.1	231.9	233.0	231.9	224.7	224.7
85°	119.1	123.2	118.0	113.9	113.9	109.8	107.7	108.7
87.5°	35.2	37.3	33.1	33.1	31.1	29.0	28.0	28.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)