

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: P198080

Luminaire Tested: **TT-C5-LED-E1-RW-CG-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198080
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34695)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-C5-LED-E1-RW-CG-7060
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH CLEAR GLASS LENS
Light Source: (160) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7376.1 lumens
Efficiency: N/A
Efficacy: 95.8 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G3

Input Watts (W): 77
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



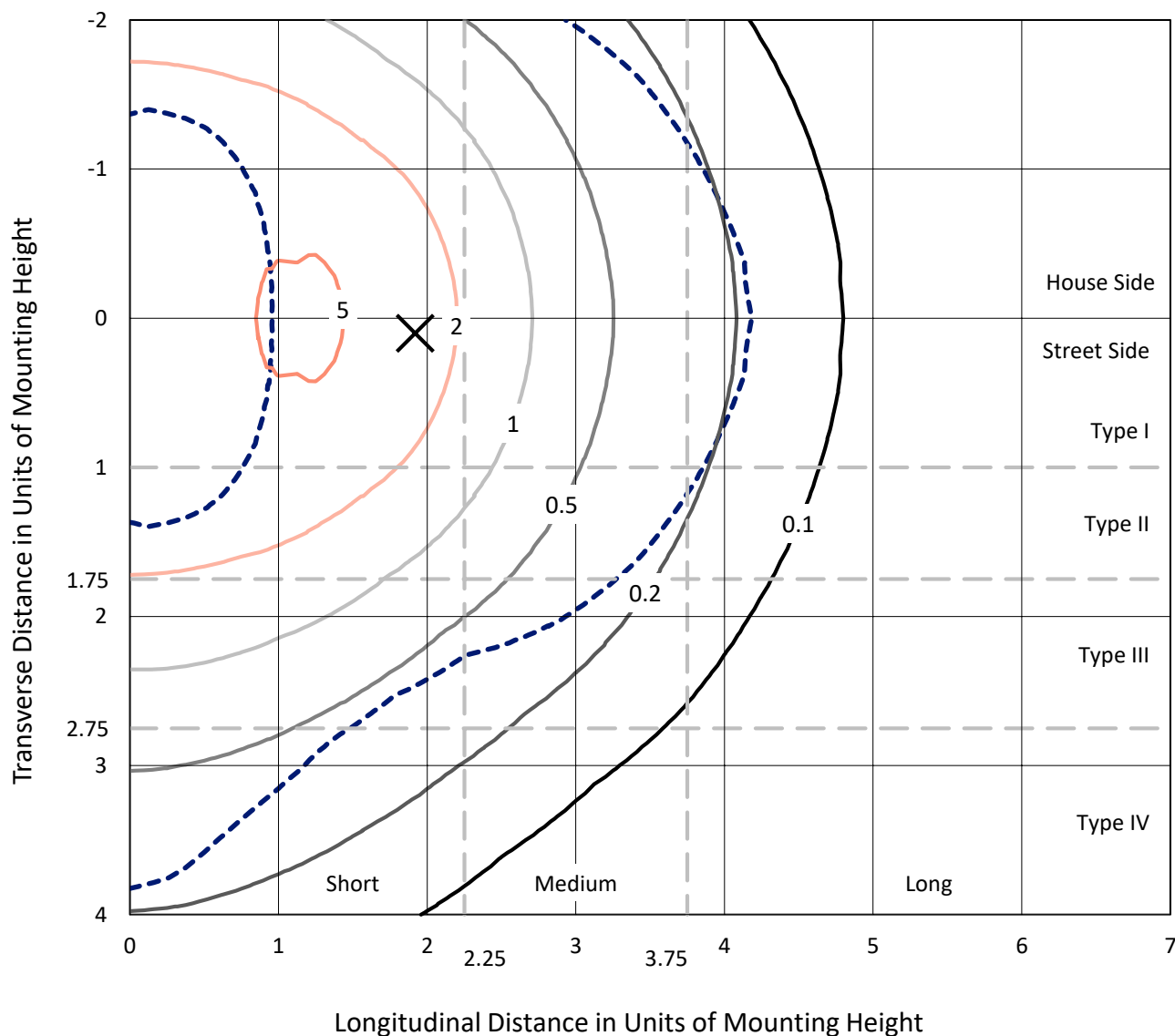
REPORT NUMBER: P198080

CATALOG NUMBER: TT-C5-LED-E1-RW-CG-7060

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

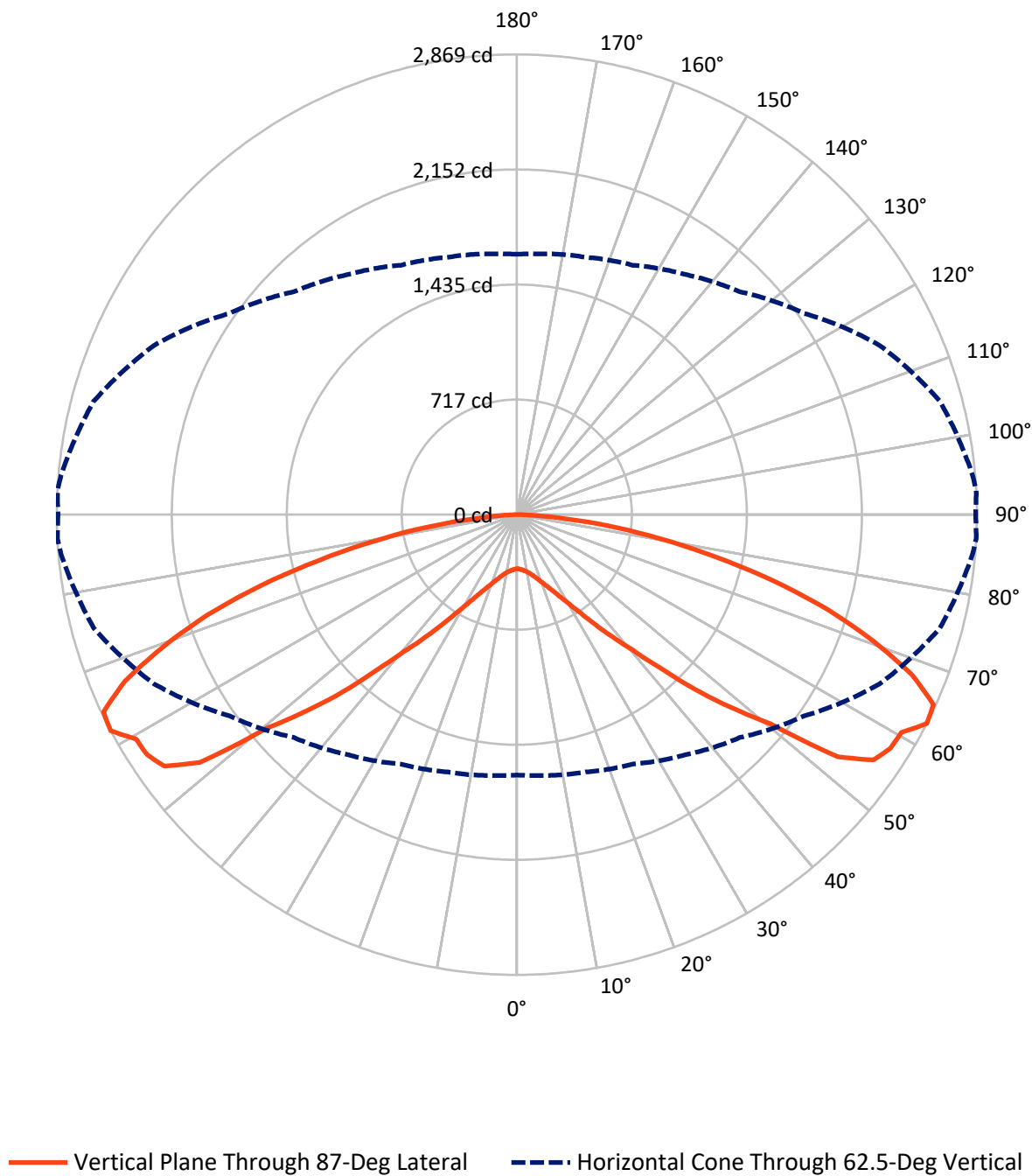


Based on 10 foot mounting height. Maximum calculated value = 5.6 fc
Type IV - Short - Semi-Cutoff

REPORT NUMBER: P198080

CATALOG NUMBER: TT-C5-LED-E1-RW-CG-7060

Luminous Intensity Polar Plot



REPORT NUMBER: P198080

CATALOG NUMBER: TT-C5-LED-E1-RW-CG-7060

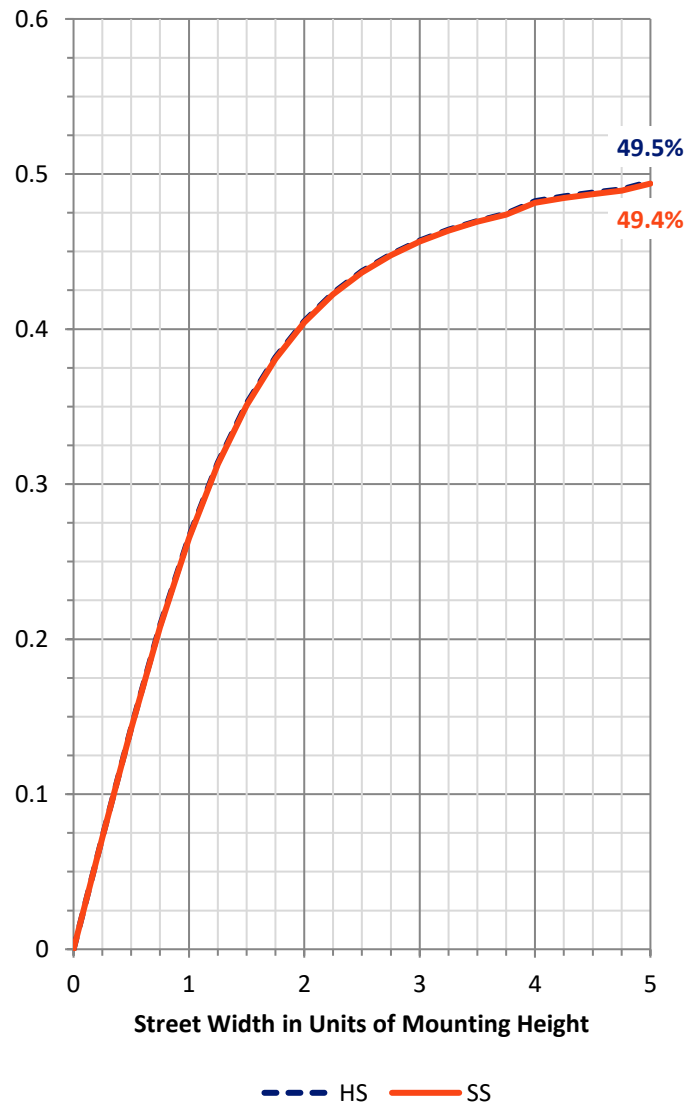
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3688.0	0.0	3688.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3688.0	0.0	3688.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	7376.1	0.0	7376.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.7	0.5
10°-20°	116.5	1.6
20°-30°	257.1	3.5
30°-40°	517.7	7.0
40°-50°	987.5	13.4
50°-60°	1690.8	22.9
60°-70°	2048.4	27.8
70°-80°	1419.3	19.2
80°-90°	305.1	4.1
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°	7376.1	100.0
0°-180°	7376.1	100.0

Coefficient of Utilization



REPORT NUMBER: P198080

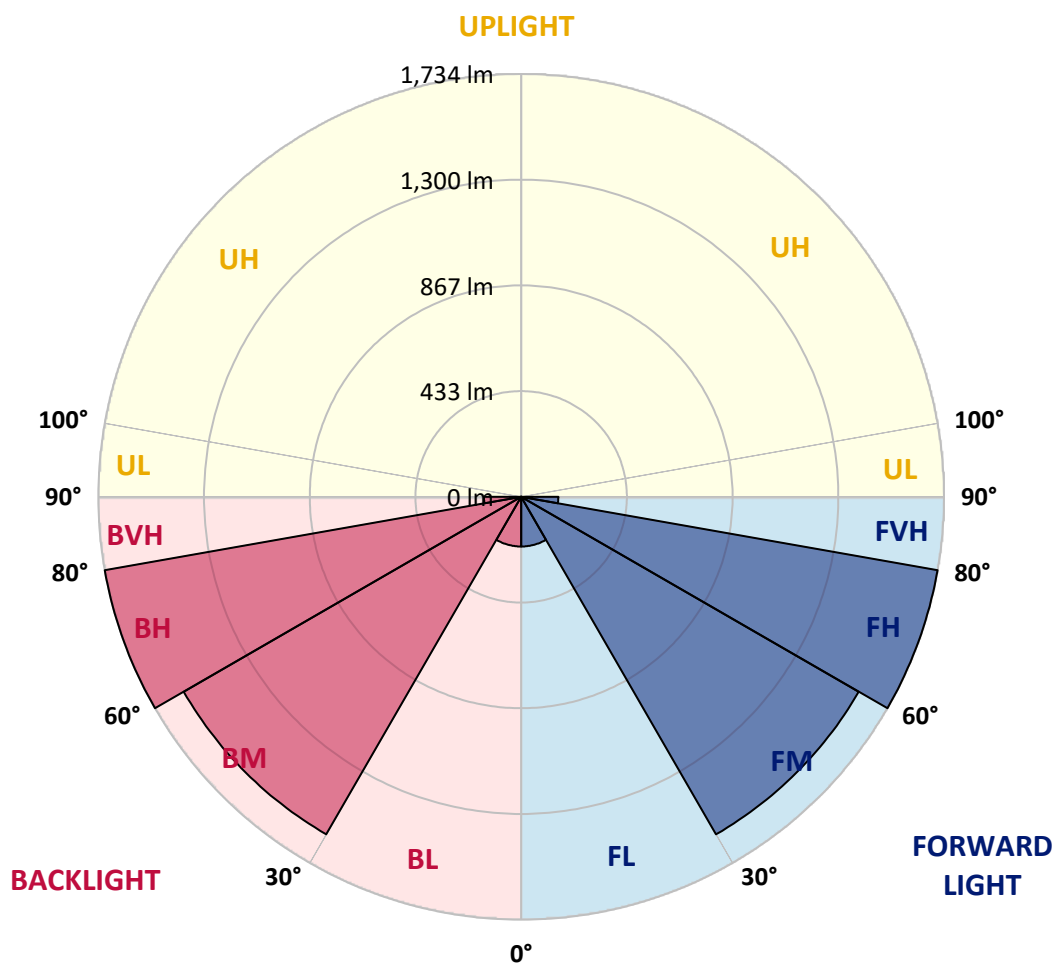
CATALOG NUMBER: TT-C5-LED-E1-RW-CG-7060

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	203.6	2.8			
FM	(30°-60°)	1598.0	21.7			
FH	(60°-80°)	1733.9	23.5			G1/1800
FVH	(80°-90°)	152.5	2.1			G2/225
BL	(0°-30°)	203.6	2.8	B1/500		
BM	(30°-60°)	1598.0	21.7	B2/2500		
BH	(60°-80°)	1733.9	23.5	B3/2500		G3/2500
BVH	(80°-90°)	152.5	2.1			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type IV Short



REPORT NUMBER: P198080

CATALOG NUMBER: TT-C5-LED-E1-RW-CG-7060

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	87°
0°	336.4	336.4	336.4	336.4	336.4	336.4	336.4	336.4	336.4	336.4	336.4
2.5°	339.4	339.4	340.9	340.9	340.9	340.9	340.9	340.9	340.9	340.9	340.9
5°	345.4	345.4	345.4	347.0	347.0	347.0	347.0	347.0	345.4	345.4	345.4
7.5°	354.5	354.5	354.5	356.0	356.0	356.0	354.5	354.5	353.0	353.0	353.0
10°	366.6	366.6	368.1	368.1	366.6	366.6	365.1	363.5	365.1	363.5	363.5
12.5°	383.2	386.2	384.7	384.7	381.7	381.7	380.1	380.1	380.1	378.6	378.6
15°	407.3	407.3	408.8	405.8	405.8	401.3	399.8	398.2	399.8	399.8	398.2
17.5°	436.0	436.0	436.0	431.4	428.4	425.4	423.9	422.4	420.9	422.4	422.4
20°	479.7	476.7	470.7	467.6	460.1	457.1	454.1	452.6	451.0	451.0	451.0
22.5°	525.0	521.9	514.4	508.4	502.3	494.8	491.8	485.7	484.2	487.2	485.7
25°	568.7	573.2	564.2	556.6	552.1	540.0	532.5	531.0	528.0	526.5	528.0
27.5°	623.0	626.0	618.5	607.9	598.9	589.8	582.3	579.3	580.8	580.8	582.3
30°	683.4	689.4	677.3	671.3	657.7	645.6	639.6	642.6	645.6	650.2	648.7
32.5°	752.7	752.7	746.7	736.1	721.1	710.5	707.5	712.0	725.6	731.6	730.1
35°	834.2	828.2	822.1	808.6	788.9	782.9	788.9	804.0	823.6	834.2	840.2
37.5°	918.7	906.6	897.6	882.5	873.4	870.4	884.0	912.6	933.8	953.4	962.4
40°	991.1	991.1	979.0	962.4	953.4	966.9	988.1	1028.8	1069.5	1090.6	1105.7
42.5°	1063.5	1072.5	1059.0	1045.4	1045.4	1063.5	1104.2	1167.6	1244.5	1289.8	1297.3
45°	1138.9	1155.5	1137.4	1128.4	1137.4	1173.6	1250.5	1372.7	1487.4	1561.3	1549.2
47.5°	1217.4	1232.4	1215.9	1211.3	1232.4	1297.3	1415.0	1571.9	1686.5	1763.4	1793.6
50°	1313.9	1303.3	1297.3	1295.8	1339.5	1436.1	1588.5	1757.4	1941.4	2010.8	2048.5
52.5°	1395.4	1377.3	1374.2	1384.8	1457.2	1573.4	1763.4	2074.2	2329.1	2501.1	2507.1
55°	1466.3	1446.7	1457.2	1482.9	1580.9	1742.3	1982.2	2345.7	2561.4	2689.7	2700.2
57.5°	1526.6	1516.0	1534.1	1568.8	1695.6	1888.6	2157.2	2457.3	2635.4	2737.9	2748.5
60°	1580.9	1579.4	1599.0	1657.8	1799.6	1974.6	2196.4	2464.9	2650.4	2742.5	2756.0
62.5°	1623.1	1632.2	1660.9	1715.2	1828.3	1965.6	2187.3	2496.6	2731.9	2852.6	2869.2
65°	1659.4	1668.4	1697.1	1715.2	1816.2	1947.5	2237.1	2517.7	2719.8	2845.0	2855.6
67.5°	1679.0	1689.5	1685.0	1688.0	1766.5	1869.0	2119.4	2360.8	2526.7	2641.4	2655.0
70°	1675.9	1666.9	1630.7	1593.0	1609.6	1682.0	1908.3	2110.4	2261.2	2351.8	2356.3
72.5°	1612.6	1597.5	1511.5	1424.0	1398.4	1446.7	1644.3	1796.6	1924.8	2007.8	2033.5
75°	1469.3	1439.1	1313.9	1200.8	1143.4	1179.6	1332.0	1464.8	1559.8	1641.2	1657.8
77.5°	1208.3	1190.2	1065.0	941.3	877.9	902.1	1022.8	1101.2	1203.8	1288.3	1267.1
80°	879.5	876.4	775.4	665.2	620.0	630.6	695.4	772.4	837.2	900.6	903.6
82.5°	574.7	565.7	497.8	417.9	371.1	377.1	417.9	458.6	520.4	561.2	573.2
85°	285.1	280.6	250.4	200.6	175.0	175.0	194.6	218.7	248.9	267.0	265.5
87.5°	78.4	70.9	69.4	51.3	42.2	45.3	45.3	49.8	63.4	67.9	72.4
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: P198080

CATALOG NUMBER: TT-C5-LED-E1-RW-CG-7060

CANDELA DISTRIBUTION (continued):

	90°
0°	336.4
2.5°	340.9
5°	345.4
7.5°	353.0
10°	365.1
12.5°	378.6
15°	398.2
17.5°	420.9
20°	451.0
22.5°	488.8
25°	528.0
27.5°	580.8
30°	650.2
32.5°	731.6
35°	837.2
37.5°	954.9
40°	1099.7
42.5°	1289.8
45°	1562.8
47.5°	1778.5
50°	2028.9
52.5°	2516.2
55°	2703.2
57.5°	2751.5
60°	2757.5
62.5°	2861.6
65°	2867.7
67.5°	2644.4
70°	2363.8
72.5°	2030.4
75°	1669.9
77.5°	1289.8
80°	902.1
82.5°	564.2
85°	264.0
87.5°	66.4
90°	0.0

(END OF REPORT)