

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: P198052

Luminaire Tested: **TT-C4-LED-E1-RW-CG-MS/DIM-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198052
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34696)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-C4-LED-E1-RW-CG-MS/DIM-7060
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH CLEAR GLASS LENS AND DIMMING OCCUPANCY
SENSOR
Light Source: (160) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5323.7 lumens
Efficiency: N/A
Efficacy: 91.8 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): 58
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



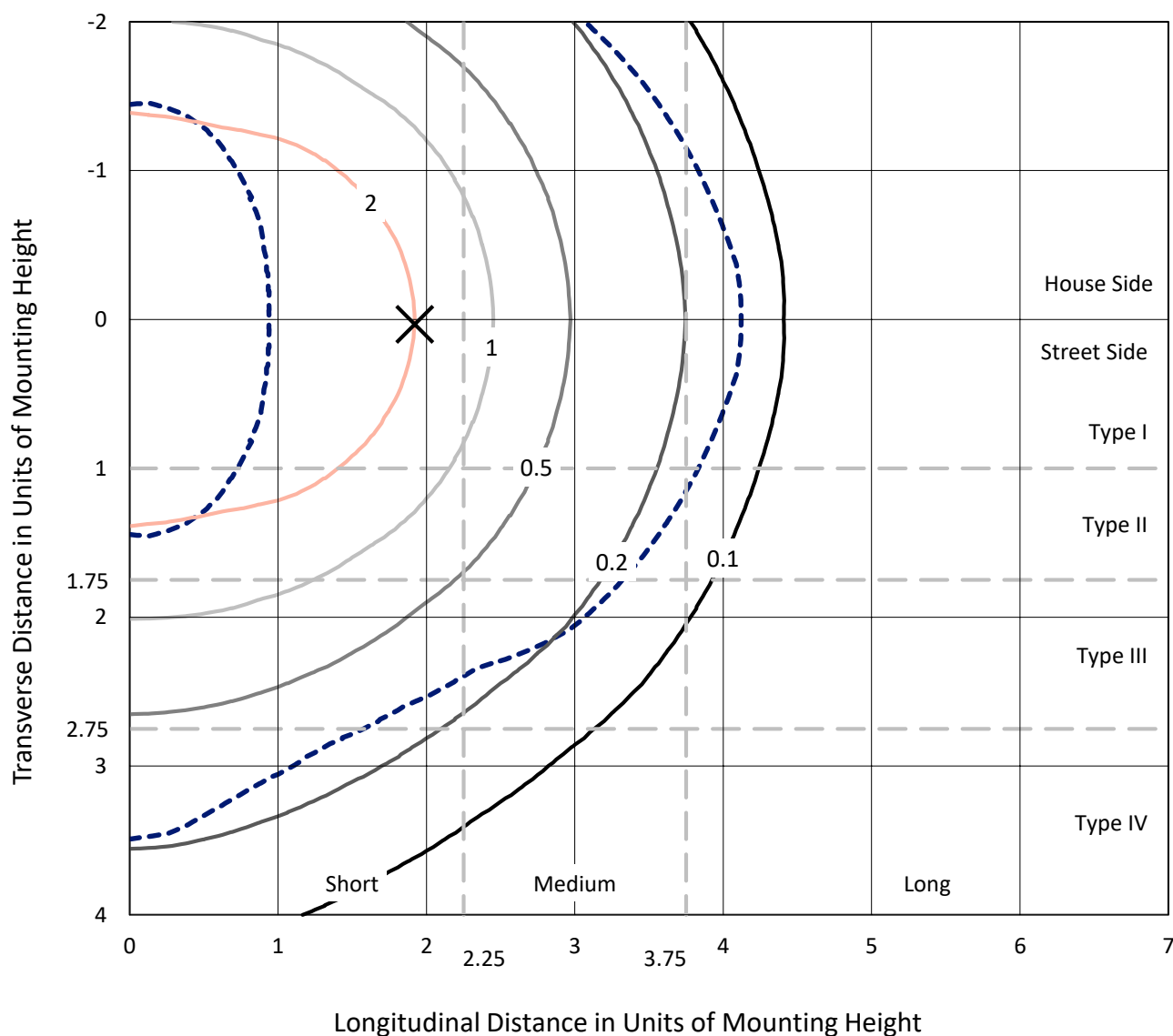
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

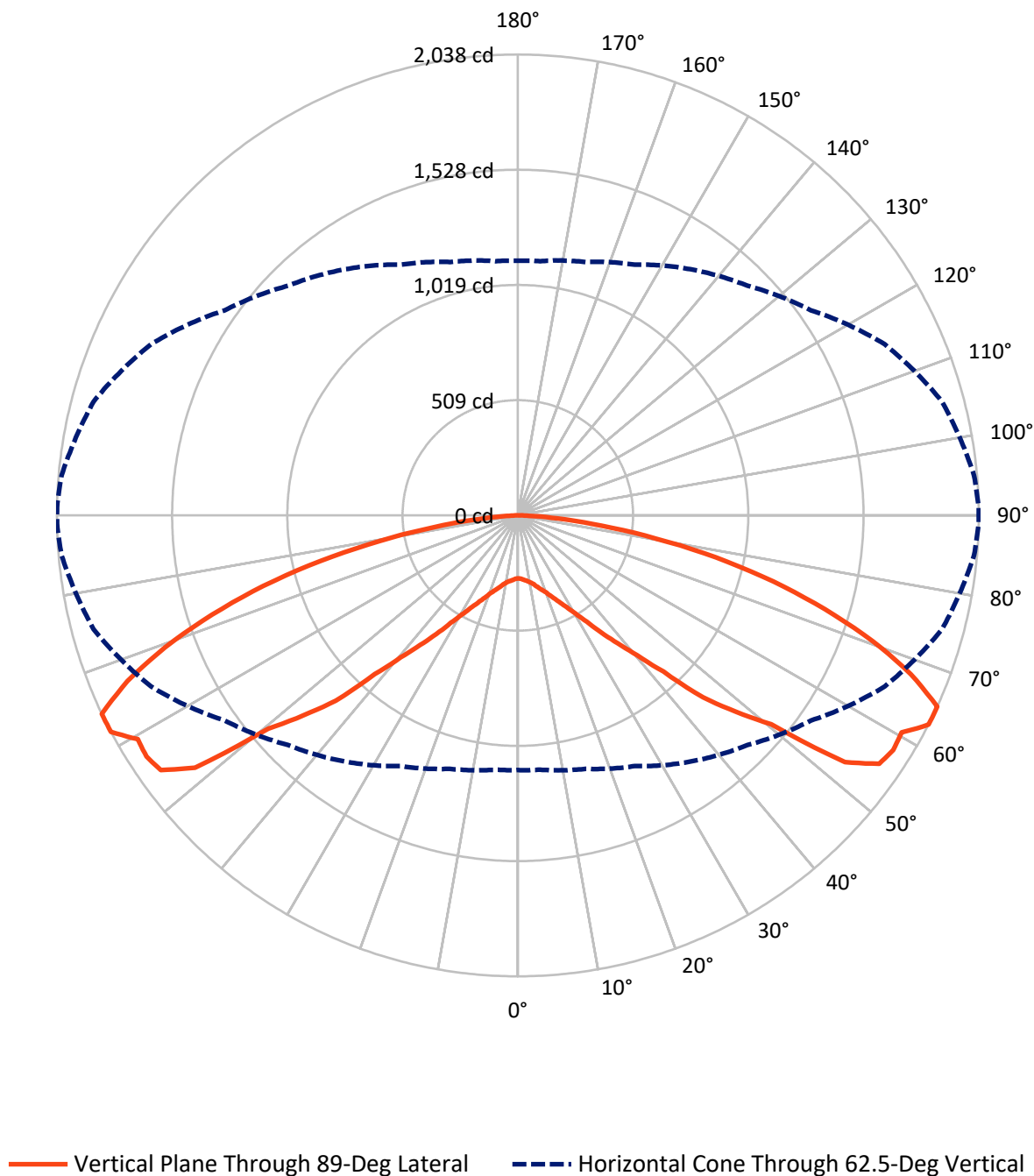


Based on 10 foot mounting height. Maximum calculated value = 4.1 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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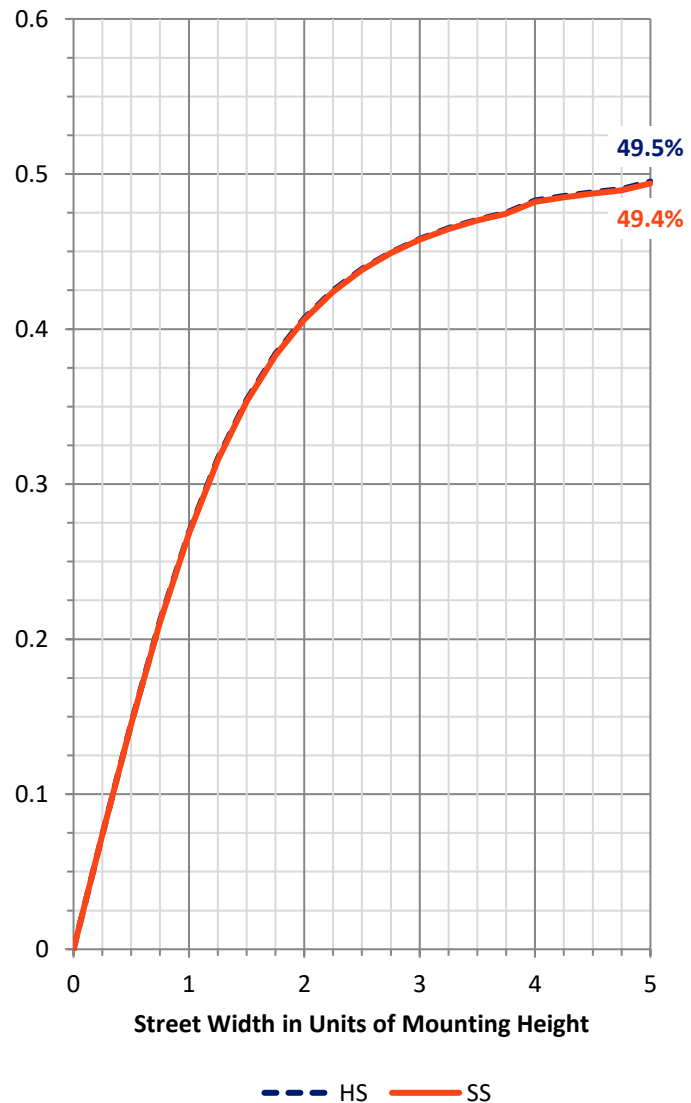
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2661.8	0.0	2661.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2661.8	0.0	2661.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	5323.7	0.0	5323.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.8	0.5
10°-20°	94.7	1.8
20°-30°	201.5	3.8
30°-40°	387.2	7.3
40°-50°	716.9	13.5
50°-60°	1211.0	22.7
60°-70°	1462.6	27.5
70°-80°	1007.0	18.9
80°-90°	214.9	4.0
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°	5323.7	100.0
0°-180°	5323.7	100.0

Coefficient of Utilization



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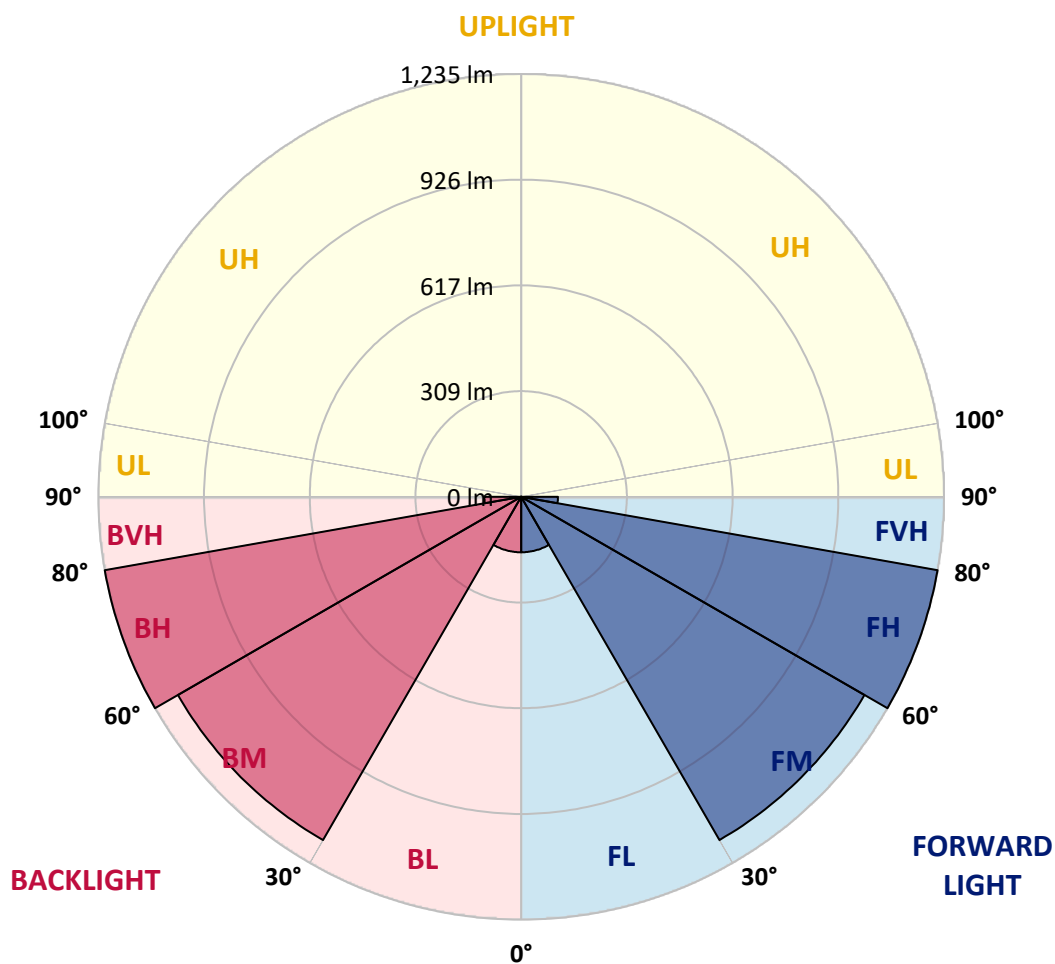
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	162.0	3.0			
FM	(30°-60°)	1157.6	21.7			
FH	(60°-80°)	1234.8	23.2			G1/1800
FVH	(80°-90°)	107.4	2.0			G2/225
BL	(0°-30°)	162.0	3.0	B1/500		
BM	(30°-60°)	1157.6	21.7	B2/2500		
BH	(60°-80°)	1234.8	23.2	B3/2500		G3/2500
BVH	(80°-90°)	107.4	2.0			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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	278.3	278.3	278.3	278.3	278.3	278.3	278.3	278.3	278.3	278.3	278.3
2.5°	280.6	280.6	280.6	280.6	281.8	281.8	281.8	281.8	281.8	281.8	280.6
5°	285.3	284.1	285.3	286.4	286.4	287.6	287.6	287.6	287.6	286.4	286.4
7.5°	291.1	291.1	292.3	293.4	294.6	293.4	293.4	292.3	292.3	292.3	292.3
10°	301.6	300.4	301.6	302.7	301.6	301.6	301.6	301.6	301.6	301.6	300.4
12.5°	313.2	313.2	313.2	313.2	312.0	313.2	312.0	313.2	313.2	313.2	312.0
15°	329.5	329.5	329.5	328.3	327.2	327.2	327.2	327.2	327.2	327.2	328.3
17.5°	351.6	350.5	349.3	347.0	345.8	344.6	344.6	344.6	345.8	345.8	345.8
20°	377.2	374.9	372.6	371.4	370.3	367.9	366.8	367.9	369.1	369.1	365.6
22.5°	408.7	405.2	401.7	400.5	395.9	394.7	393.5	392.4	392.4	393.5	392.4
25°	437.8	439.0	435.5	429.6	428.5	426.2	422.7	423.8	422.7	423.8	422.7
27.5°	473.9	476.2	472.7	466.9	463.4	459.9	457.6	457.6	458.8	462.2	458.8
30°	514.6	515.8	512.3	507.7	501.8	497.2	496.0	501.8	501.8	506.5	504.2
32.5°	557.7	556.6	551.9	550.7	543.7	543.7	544.9	549.6	557.7	561.2	560.1
35°	610.1	603.1	602.0	597.3	591.5	591.5	598.5	610.1	625.3	634.6	635.7
37.5°	657.9	655.5	654.4	647.4	643.9	650.9	664.8	685.8	698.6	717.2	717.2
40°	706.8	712.6	706.8	699.8	703.3	713.7	737.0	763.8	792.9	812.7	812.7
42.5°	754.5	765.0	759.2	753.3	762.6	787.1	816.2	861.6	919.8	945.4	944.3
45°	805.7	813.9	808.1	809.2	829.0	859.3	915.2	1013.0	1094.5	1146.9	1148.0
47.5°	861.6	862.8	859.3	865.1	894.2	952.4	1028.1	1148.0	1228.4	1291.3	1295.9
50°	917.5	911.7	910.5	924.5	976.9	1050.2	1158.5	1275.0	1401.9	1448.4	1451.9
52.5°	967.6	960.6	965.2	988.5	1057.2	1148.0	1283.1	1481.0	1665.0	1802.4	1811.7
55°	1015.3	1007.2	1018.8	1056.1	1146.9	1269.1	1438.0	1684.8	1840.8	1930.5	1938.6
57.5°	1056.1	1053.7	1072.4	1118.9	1230.7	1379.8	1564.9	1766.3	1881.6	1949.1	1957.3
60°	1096.8	1096.8	1121.3	1181.8	1306.4	1442.6	1589.3	1765.1	1883.9	1941.0	1949.1
62.5°	1125.9	1128.3	1159.7	1222.6	1328.5	1435.6	1581.2	1789.6	1942.1	2024.8	2037.6
65°	1142.2	1146.9	1180.6	1222.6	1319.2	1428.7	1633.6	1809.4	1935.1	2022.5	2037.6
67.5°	1144.6	1153.9	1170.2	1201.6	1283.1	1376.3	1549.7	1693.0	1797.8	1864.1	1874.6
70°	1134.1	1130.6	1129.4	1137.6	1178.3	1245.9	1398.4	1511.3	1614.9	1656.9	1665.0
72.5°	1081.7	1080.5	1039.8	1014.1	1024.6	1071.2	1206.3	1293.6	1361.1	1414.7	1420.5
75°	976.9	967.6	900.0	847.6	837.2	879.1	980.4	1044.4	1105.0	1155.0	1167.8
77.5°	815.0	791.8	723.1	661.3	641.6	673.0	748.7	792.9	837.2	895.4	895.4
80°	591.5	579.8	520.5	470.4	450.6	469.2	522.8	541.4	564.7	617.1	618.3
82.5°	381.9	369.1	329.5	298.1	280.6	292.3	314.4	322.5	342.3	373.8	372.6
85°	186.3	186.3	166.5	149.0	132.7	135.1	149.0	153.7	170.0	178.1	175.8
87.5°	46.6	51.2	45.4	41.9	37.3	37.3	41.9	41.9	51.2	51.2	48.9
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):

	90°
0°	278.3
2.5°	280.6
5°	286.4
7.5°	292.3
10°	300.4
12.5°	313.2
15°	327.2
17.5°	347.0
20°	369.1
22.5°	392.4
25°	422.7
27.5°	462.2
30°	506.5
32.5°	558.9
35°	631.1
37.5°	717.2
40°	813.9
42.5°	945.4
45°	1150.4
47.5°	1291.3
50°	1448.4
52.5°	1805.9
55°	1937.5
57.5°	1958.4
60°	1951.4
62.5°	2037.6
65°	2035.3
67.5°	1872.3
70°	1668.5
72.5°	1429.8
75°	1172.5
77.5°	889.6
80°	642.7
82.5°	374.9
85°	178.1
87.5°	53.6
90°	0.0

(END OF REPORT)