

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: P198053

Luminaire Tested: **TT-C5-LED-E1-RW-CG-MS/DIM-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198053
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-C5-LED-E1-RW-CG-MS/DIM-8030
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH CLEAR GLASS LENS AND DIMMING OCCUPANCY
SENSOR
Light Source: (160) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5291.4 lumens
Efficiency: N/A
Efficacy: 68.7 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



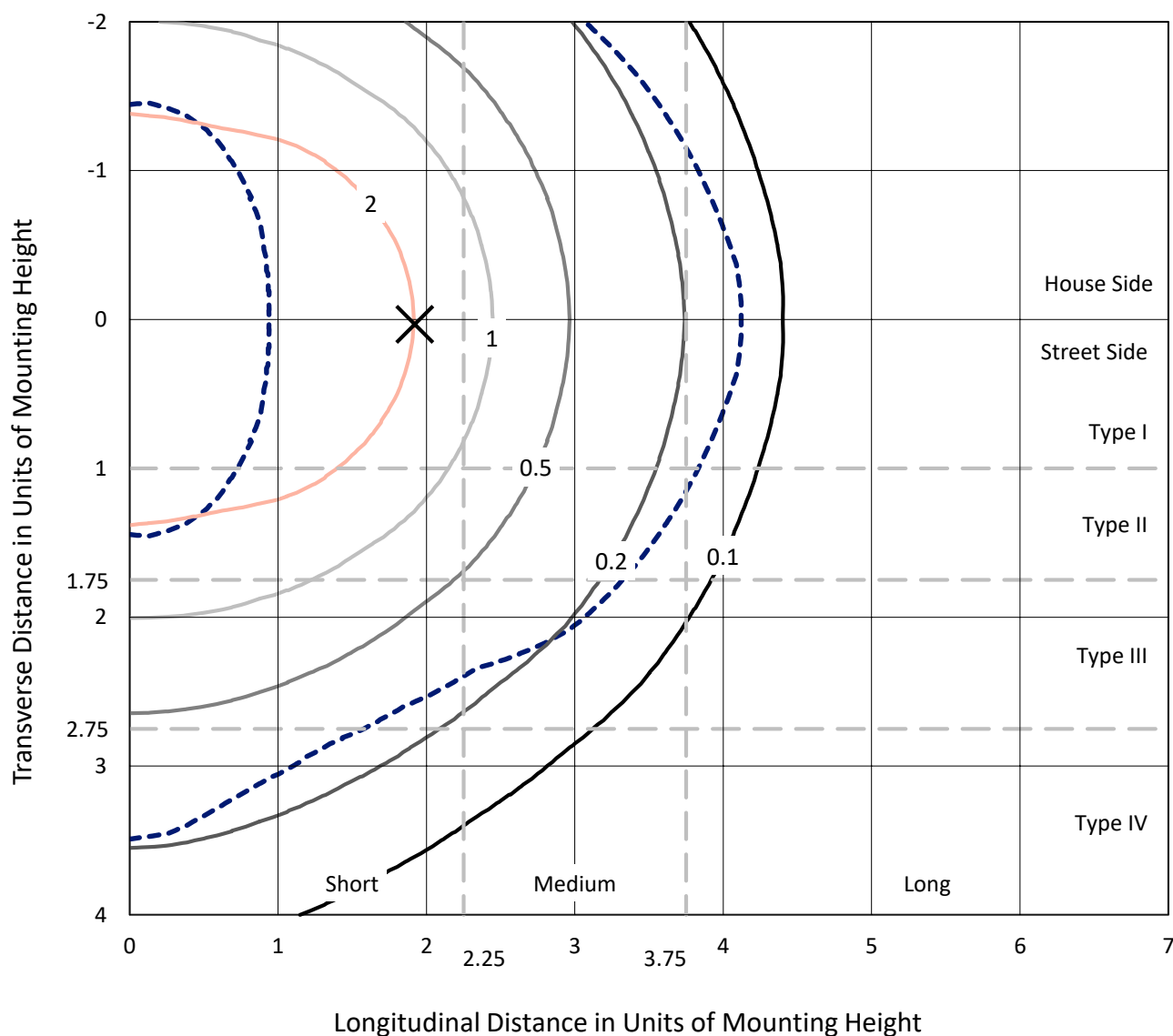
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

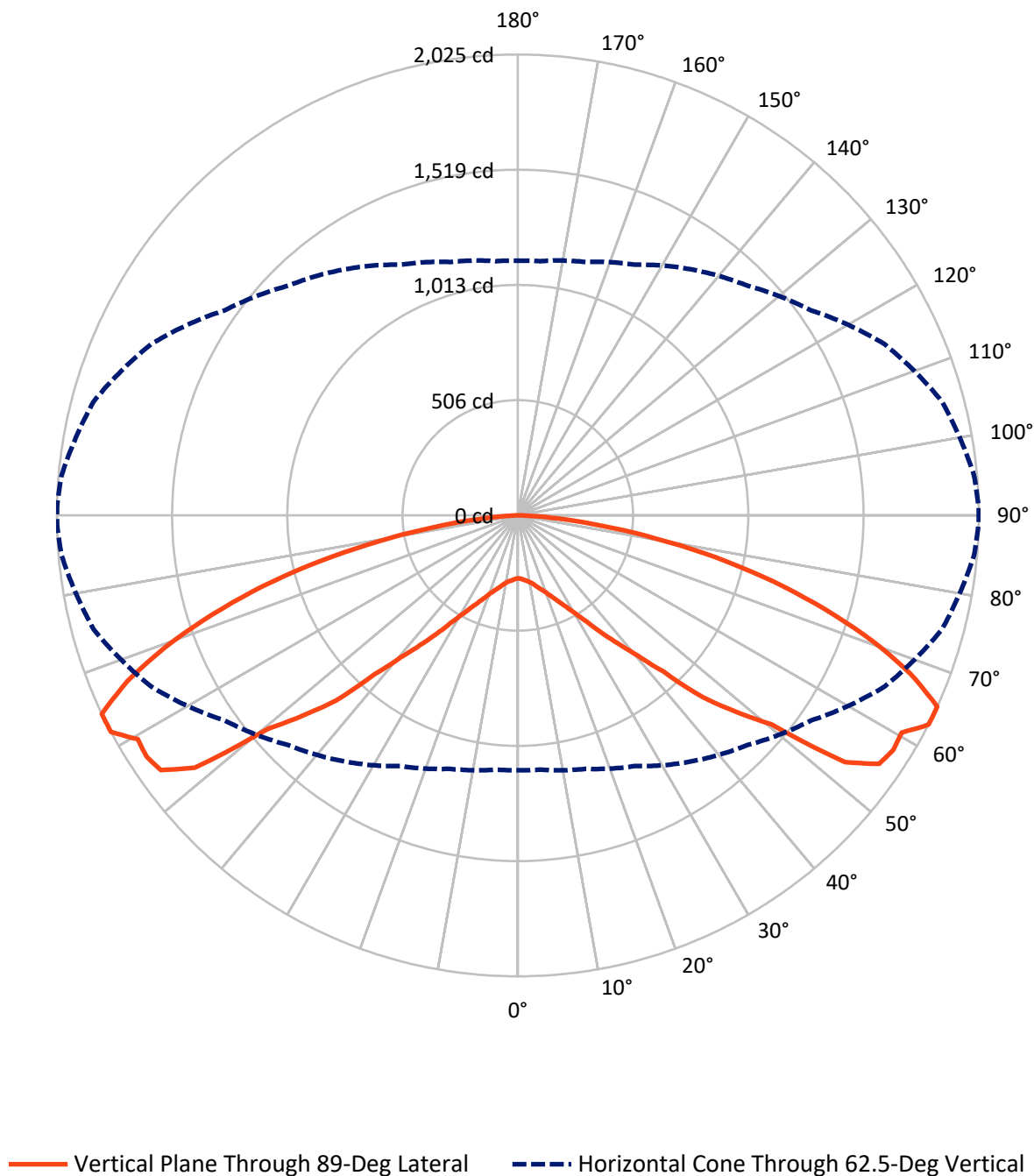


Based on 10 foot mounting height. Maximum calculated value = 4 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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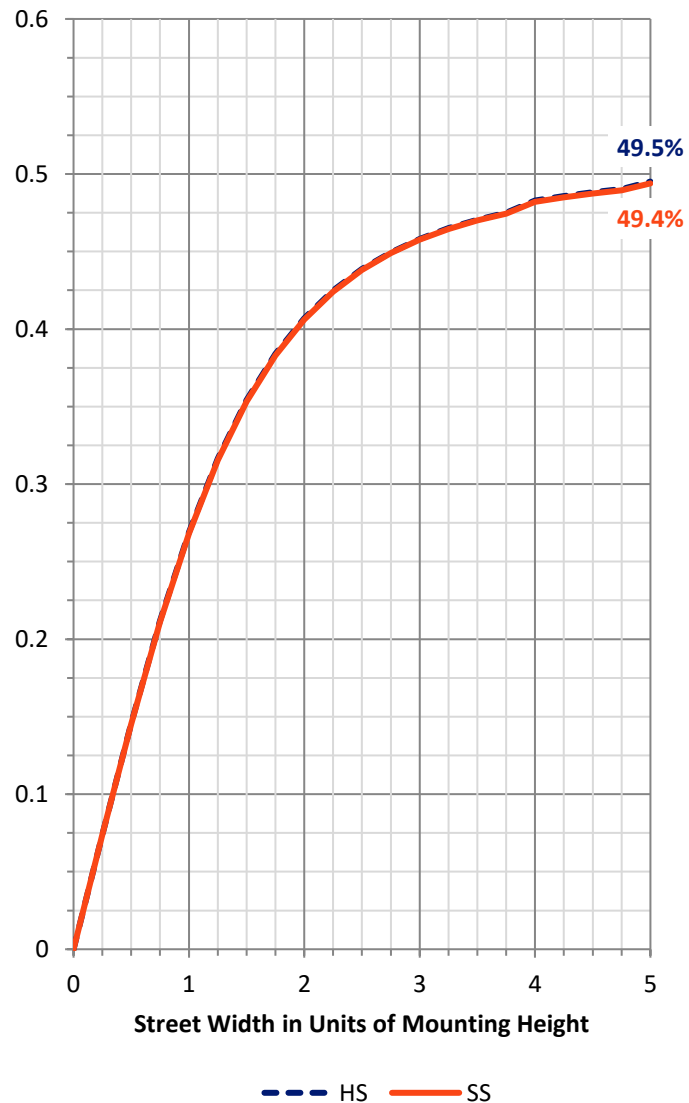
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2645.7	0.0	2645.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2645.7	0.0	2645.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	5291.4	0.0	5291.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.6	0.5
10°-20°	94.2	1.8
20°-30°	200.3	3.8
30°-40°	384.9	7.3
40°-50°	712.5	13.5
50°-60°	1203.7	22.7
60°-70°	1453.8	27.5
70°-80°	1000.9	18.9
80°-90°	213.6	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°	5291.4	100.0
0°-180°	5291.4	100.0

Coefficient of Utilization



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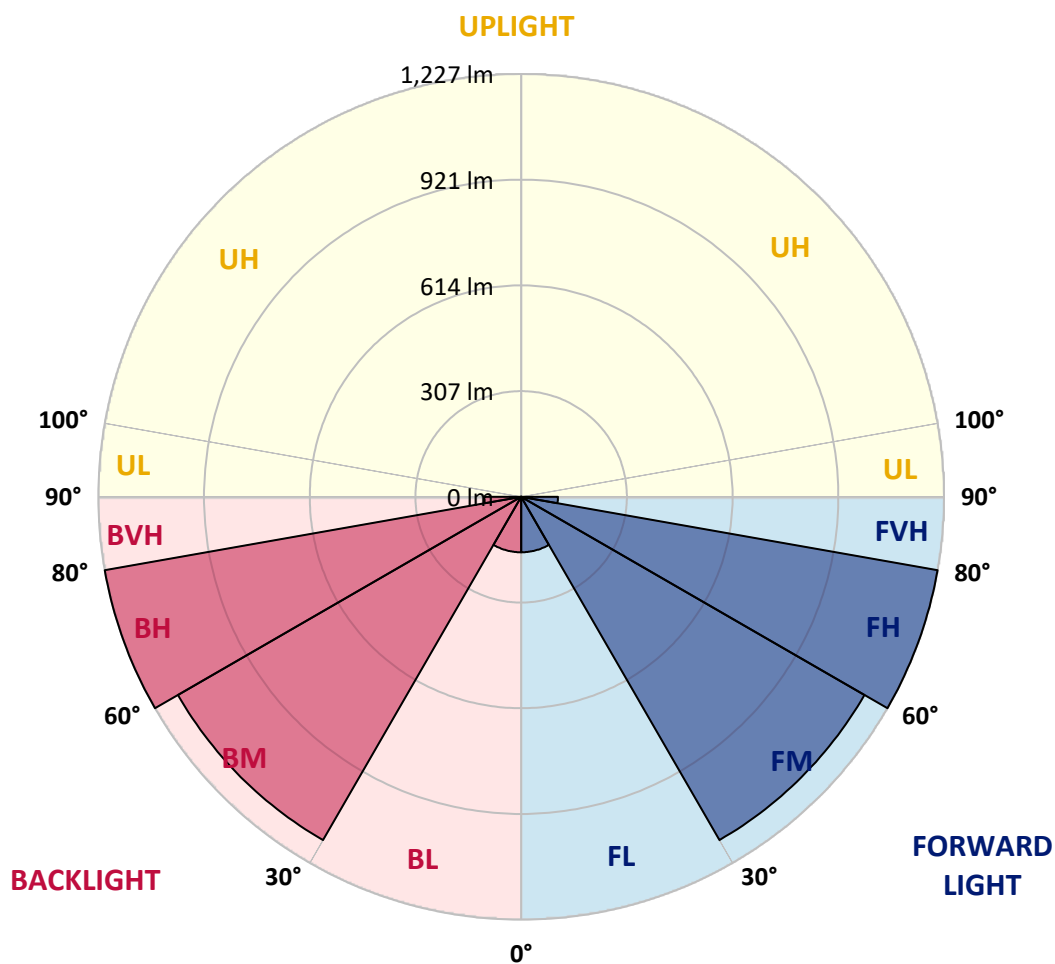
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	161.0	3.0			
FM	(30°-60°)	1150.5	21.7			
FH	(60°-80°)	1227.3	23.2			G1/1800
FVH	(80°-90°)	106.8	2.0			G2/225
BL	(0°-30°)	161.0	3.0	B1/500		
BM	(30°-60°)	1150.5	21.7	B2/2500		
BH	(60°-80°)	1227.3	23.2	B3/2500		G3/2500
BVH	(80°-90°)	106.8	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°	276.6	276.6	276.6	276.6	276.6	276.6	276.6	276.6	276.6	276.6	276.6
2.5°	278.9	278.9	278.9	278.9	280.1	280.1	280.1	280.1	280.1	280.1	278.9
5°	283.5	282.4	283.5	284.7	284.7	285.8	285.8	285.8	285.8	284.7	284.7
7.5°	289.3	289.3	290.5	291.6	292.8	291.6	291.6	290.5	290.5	290.5	290.5
10°	299.7	298.6	299.7	300.9	299.7	299.7	299.7	299.7	299.7	299.7	298.6
12.5°	311.3	311.3	311.3	311.3	310.2	311.3	310.2	311.3	311.3	311.3	310.2
15°	327.5	327.5	327.5	326.4	325.2	325.2	325.2	325.2	325.2	325.2	326.4
17.5°	349.5	348.3	347.2	344.9	343.7	342.6	342.6	342.6	343.7	343.7	343.7
20°	375.0	372.6	370.3	369.2	368.0	365.7	364.5	365.7	366.9	366.9	363.4
22.5°	406.2	402.7	399.3	398.1	393.5	392.3	391.2	390.0	390.0	391.2	390.0
25°	435.1	436.3	432.8	427.0	425.9	423.6	420.1	421.3	420.1	421.3	420.1
27.5°	471.0	473.3	469.9	464.1	460.6	457.1	454.8	454.8	456.0	459.4	456.0
30°	511.5	512.7	509.2	504.6	498.8	494.2	493.0	498.8	498.8	503.4	501.1
32.5°	554.3	553.2	548.6	547.4	540.5	540.5	541.6	546.2	554.3	557.8	556.7
35°	606.4	599.5	598.3	593.7	587.9	587.9	594.8	606.4	621.5	630.7	631.9
37.5°	653.9	651.6	650.4	643.4	640.0	646.9	660.8	681.6	694.4	712.9	712.9
40°	702.5	708.3	702.5	695.5	699.0	709.4	732.6	759.2	788.1	807.8	807.8
42.5°	749.9	760.3	754.5	748.8	758.0	782.3	811.3	856.4	914.3	939.7	938.6
45°	800.8	808.9	803.2	804.3	824.0	854.1	909.6	1006.8	1087.8	1139.9	1141.1
47.5°	856.4	857.5	854.1	859.9	888.8	946.7	1021.9	1141.1	1220.9	1283.4	1288.1
50°	911.9	906.2	905.0	918.9	971.0	1043.9	1151.5	1267.2	1393.4	1439.7	1443.1
52.5°	961.7	954.8	959.4	982.5	1050.8	1141.1	1275.3	1472.1	1654.9	1791.5	1800.7
55°	1009.2	1001.1	1012.6	1049.7	1139.9	1261.4	1429.2	1674.6	1829.7	1918.8	1926.9
57.5°	1049.7	1047.3	1065.9	1112.1	1223.2	1371.4	1555.4	1755.6	1870.2	1937.3	1945.4
60°	1090.2	1090.2	1114.5	1174.6	1298.5	1433.9	1579.7	1754.4	1872.5	1929.2	1937.3
62.5°	1119.1	1121.4	1152.7	1215.1	1320.5	1426.9	1571.6	1778.7	1930.3	2012.5	2025.2
65°	1135.3	1139.9	1173.5	1215.1	1311.2	1420.0	1623.7	1798.4	1923.4	2010.2	2025.2
67.5°	1137.6	1146.9	1163.1	1194.3	1275.3	1367.9	1540.3	1682.7	1786.8	1852.8	1863.2
70°	1127.2	1123.7	1122.6	1130.7	1171.2	1238.3	1389.9	1502.2	1605.2	1646.8	1654.9
72.5°	1075.1	1074.0	1033.5	1008.0	1018.4	1064.7	1198.9	1285.7	1352.9	1406.1	1411.9
75°	971.0	961.7	894.6	842.5	832.1	873.7	974.4	1038.1	1098.3	1148.0	1160.8
77.5°	810.1	787.0	718.7	657.3	637.7	668.9	744.1	788.1	832.1	890.0	890.0
80°	587.9	576.3	517.3	467.5	447.9	466.4	519.6	538.1	561.3	613.4	614.5
82.5°	379.6	366.9	327.5	296.3	278.9	290.5	312.5	320.6	340.2	371.5	370.3
85°	185.2	185.2	165.5	148.1	131.9	134.2	148.1	152.8	169.0	177.1	174.7
87.5°	46.3	50.9	45.1	41.7	37.0	37.0	41.7	41.7	50.9	50.9	48.6
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°	276.6
2.5°	278.9
5°	284.7
7.5°	290.5
10°	298.6
12.5°	311.3
15°	325.2
17.5°	344.9
20°	366.9
22.5°	390.0
25°	420.1
27.5°	459.4
30°	503.4
32.5°	555.5
35°	627.2
37.5°	712.9
40°	808.9
42.5°	939.7
45°	1143.4
47.5°	1283.4
50°	1439.7
52.5°	1794.9
55°	1925.7
57.5°	1946.6
60°	1939.6
62.5°	2025.2
65°	2022.9
67.5°	1860.9
70°	1658.4
72.5°	1421.1
75°	1165.4
77.5°	884.2
80°	638.8
82.5°	372.6
85°	177.1
87.5°	53.2
90°	0.0

(END OF REPORT)