

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: P198047

Luminaire Tested: **TT-C3-LED-E1-RW-CG-MS/DIM-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198047
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-C3-LED-E1-RW-CG-MS/DIM-7050
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH CLEAR GLASS LENS AND DIMMING OCCUPANCY
SENSOR
Light Source: (168) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4331.6 lumens
Efficiency: N/A
Efficacy: 96.3 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): 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

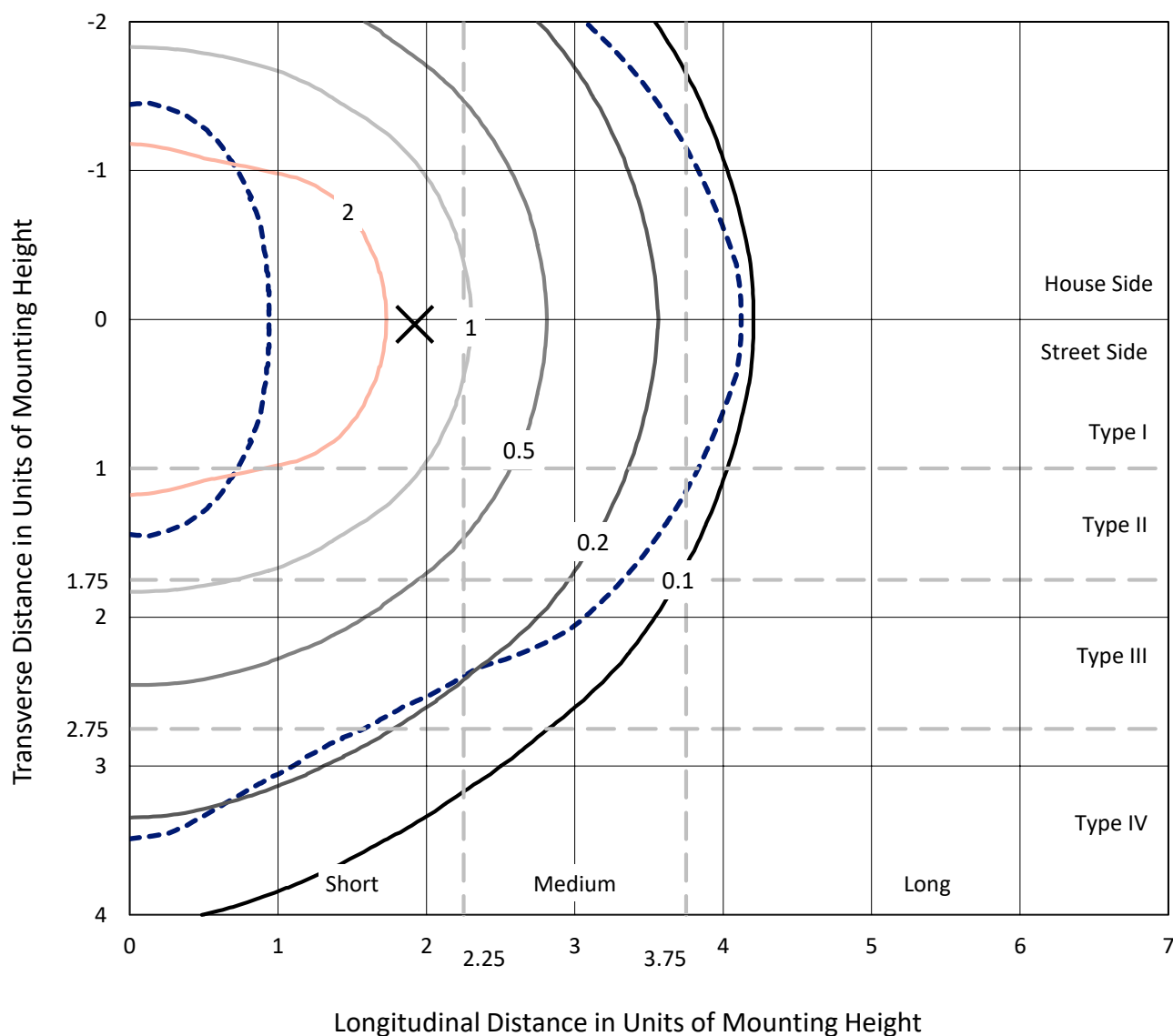


REPORT NUMBER: P198047

CATALOG NUMBER: TT-C3-LED-E1-RW-CG-MS/DIM-7050

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

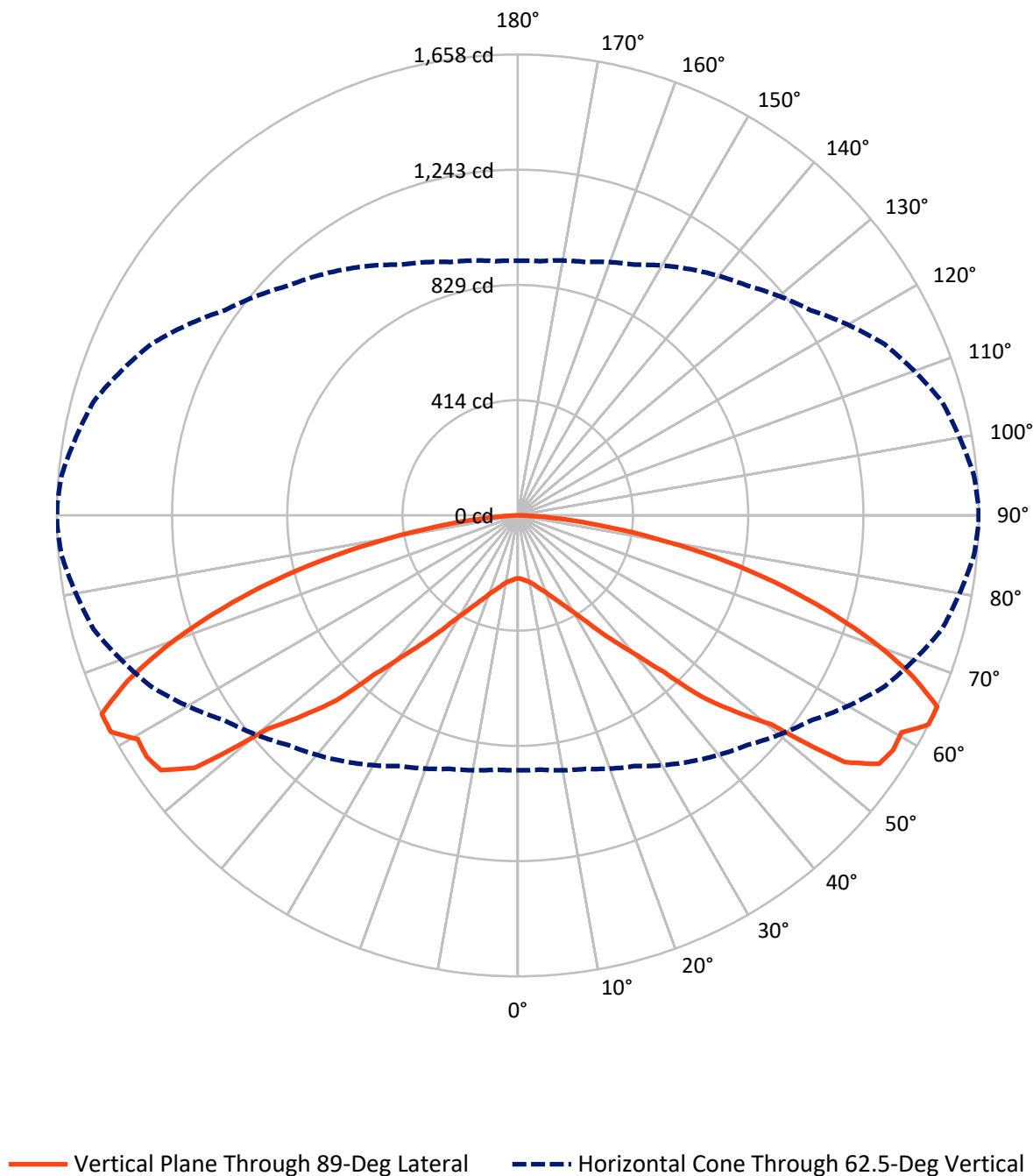


Based on 10 foot mounting height. Maximum calculated value = 3.3 fc
 Type IV - Short - Semi-Cutoff

REPORT NUMBER: P198047

CATALOG NUMBER: TT-C3-LED-E1-RW-CG-MS/DIM-7050

Luminous Intensity Polar Plot



REPORT NUMBER: P198047

CATALOG NUMBER: TT-C3-LED-E1-RW-CG-MS/DIM-7050

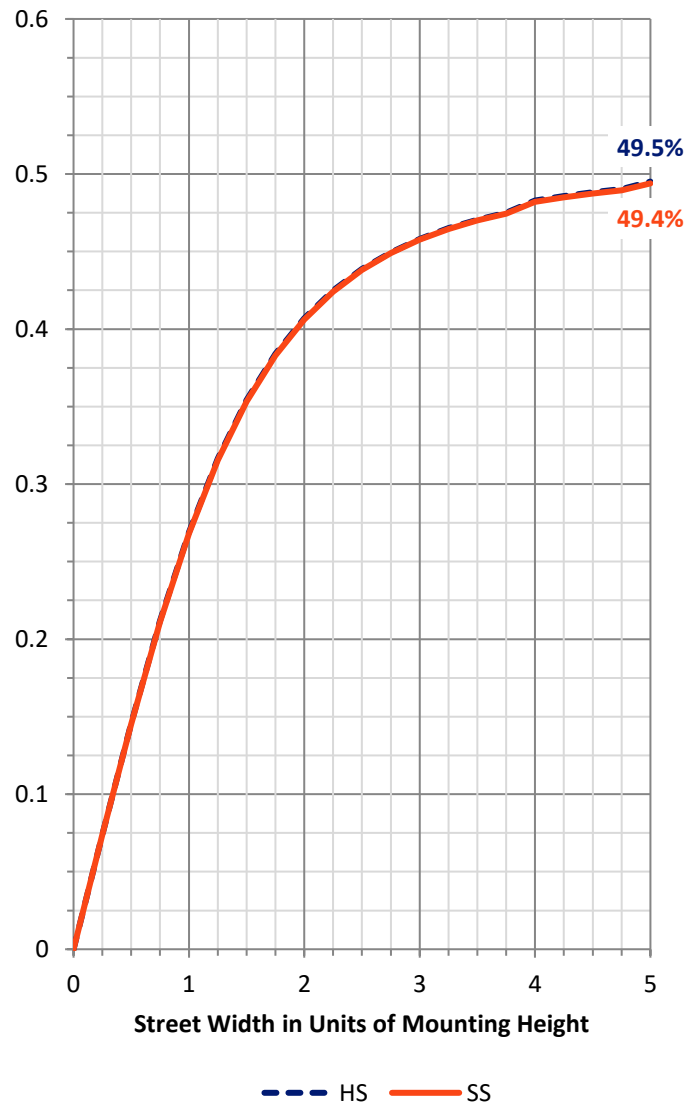
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2165.8	0.0	2165.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2165.8	0.0	2165.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	4331.6	0.0	4331.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.6	0.5
10°-20°	77.1	1.8
20°-30°	163.9	3.8
30°-40°	315.0	7.3
40°-50°	583.3	13.5
50°-60°	985.3	22.7
60°-70°	1190.1	27.5
70°-80°	819.4	18.9
80°-90°	174.8	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°	4331.6	100.0
0°-180°	4331.6	100.0

Coefficient of Utilization



REPORT NUMBER: P198047

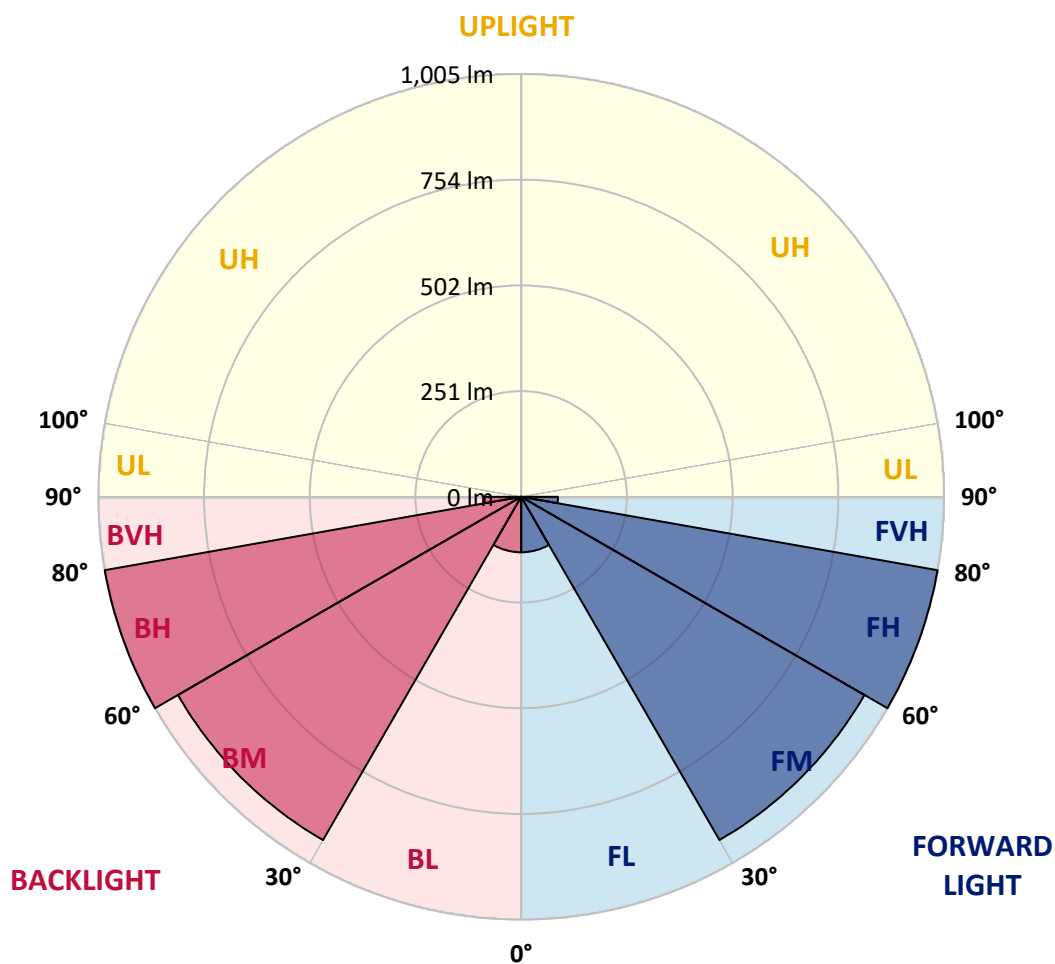
CATALOG NUMBER: TT-C3-LED-E1-RW-CG-MS/DIM-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	131.8	3.0			
FM	(30°-60°)	941.8	21.7			
FH	(60°-80°)	1004.7	23.2			G1/1800
FVH	(80°-90°)	87.4	2.0			G1/100
BL	(0°-30°)	131.8	3.0	B1/500		
BM	(30°-60°)	941.8	21.7	B1/1000		
BH	(60°-80°)	1004.7	23.2	B3/2500		G3/2500
BVH	(80°-90°)	87.4	2.0			G1/100
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: P198047

CATALOG NUMBER: TT-C3-LED-E1-RW-CG-MS/DIM-7050

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	226.4	226.4	226.4	226.4	226.4	226.4	226.4	226.4	226.4	226.4	226.4
2.5°	228.3	228.3	228.3	228.3	229.3	229.3	229.3	229.3	229.3	229.3	228.3
5°	232.1	231.2	232.1	233.1	233.1	234.0	234.0	234.0	234.0	233.1	233.1
7.5°	236.8	236.8	237.8	238.7	239.7	238.7	238.7	237.8	237.8	237.8	237.8
10°	245.4	244.4	245.4	246.3	245.4	245.4	245.4	245.4	245.4	245.4	244.4
12.5°	254.8	254.8	254.8	254.8	253.9	254.8	253.9	254.8	254.8	254.8	253.9
15°	268.1	268.1	268.1	267.2	266.2	266.2	266.2	266.2	266.2	266.2	267.2
17.5°	286.1	285.2	284.2	282.3	281.4	280.4	280.4	280.4	281.4	281.4	281.4
20°	306.9	305.1	303.2	302.2	301.3	299.4	298.4	299.4	300.3	300.3	297.5
22.5°	332.5	329.7	326.8	325.9	322.1	321.2	320.2	319.3	319.3	320.2	319.3
25°	356.2	357.2	354.3	349.6	348.6	346.7	343.9	344.8	343.9	344.8	343.9
27.5°	385.6	387.5	384.6	379.9	377.0	374.2	372.3	372.3	373.3	376.1	373.3
30°	418.7	419.7	416.8	413.0	408.3	404.5	403.6	408.3	408.3	412.1	410.2
32.5°	453.8	452.8	449.0	448.1	442.4	442.4	443.4	447.2	453.8	456.6	455.7
35°	496.4	490.7	489.8	486.0	481.3	481.3	486.9	496.4	508.7	516.3	517.3
37.5°	535.3	533.4	532.4	526.7	523.9	529.6	540.9	558.0	568.4	583.6	583.6
40°	575.0	579.8	575.0	569.4	572.2	580.7	599.7	621.5	645.2	661.3	661.3
42.5°	613.9	622.4	617.7	612.9	620.5	640.4	664.1	701.0	748.4	769.3	768.3
45°	655.6	662.2	657.5	658.4	674.5	699.2	744.6	824.2	890.5	933.2	934.1
47.5°	701.0	702.0	699.2	703.9	727.6	774.9	836.5	934.1	999.5	1050.6	1054.4
50°	746.5	741.8	740.8	752.2	794.8	854.5	942.6	1037.4	1140.6	1178.5	1181.4
52.5°	787.3	781.6	785.4	804.3	860.2	934.1	1044.0	1205.0	1354.7	1466.5	1474.1
55°	826.1	819.5	828.9	859.3	933.2	1032.6	1170.0	1370.8	1497.8	1570.7	1577.4
57.5°	859.3	857.4	872.5	910.4	1001.4	1122.6	1273.3	1437.1	1530.9	1585.9	1592.5
60°	892.4	892.4	912.3	961.6	1062.9	1173.8	1293.1	1436.2	1532.8	1579.3	1585.9
62.5°	916.1	918.0	943.6	994.7	1080.9	1168.1	1286.5	1456.1	1580.2	1647.5	1657.9
65°	929.4	933.2	960.6	994.7	1073.4	1162.4	1329.1	1472.2	1574.5	1645.6	1657.9
67.5°	931.3	938.8	952.1	977.7	1044.0	1119.8	1260.9	1377.5	1462.7	1516.7	1525.3
70°	922.7	919.9	918.9	925.6	958.7	1013.7	1137.8	1229.7	1314.0	1348.1	1354.7
72.5°	880.1	879.2	846.0	825.2	833.7	871.6	981.5	1052.5	1107.5	1151.0	1155.8
75°	794.8	787.3	732.3	689.7	681.2	715.3	797.7	849.8	899.0	939.8	950.2
77.5°	663.2	644.2	588.3	538.1	522.0	547.6	609.2	645.2	681.2	728.5	728.5
80°	481.3	471.8	423.5	382.7	366.6	381.8	425.4	440.5	459.5	502.1	503.0
82.5°	310.7	300.3	268.1	242.5	228.3	237.8	255.8	262.4	278.5	304.1	303.2
85°	151.6	151.6	135.5	121.3	108.0	109.9	121.3	125.1	138.3	144.9	143.1
87.5°	37.9	41.7	36.9	34.1	30.3	30.3	34.1	34.1	41.7	41.7	39.8
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: P198047

CATALOG NUMBER: TT-C3-LED-E1-RW-CG-MS/DIM-7050

CANDELA DISTRIBUTION (continued):

	90°
0°	226.4
2.5°	228.3
5°	233.1
7.5°	237.8
10°	244.4
12.5°	254.8
15°	266.2
17.5°	282.3
20°	300.3
22.5°	319.3
25°	343.9
27.5°	376.1
30°	412.1
32.5°	454.7
35°	513.5
37.5°	583.6
40°	662.2
42.5°	769.3
45°	936.0
47.5°	1050.6
50°	1178.5
52.5°	1469.4
55°	1576.4
57.5°	1593.5
60°	1587.8
62.5°	1657.9
65°	1656.0
67.5°	1523.4
70°	1357.6
72.5°	1163.4
75°	954.0
77.5°	723.8
80°	522.9
82.5°	305.1
85°	144.9
87.5°	43.6
90°	0.0

(END OF REPORT)