

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: P198144

Luminaire Tested: **TT-C3-LED-E1-RW-SG-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198144
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34699)
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-SG-7060
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH SOFTENING GLASS LENS
Light Source: (168) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4450.7 lumens
Efficiency: N/A
Efficacy: 98.9 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type III - Short - Full Cutoff
BUG Rating: B2 - U0 - G2

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



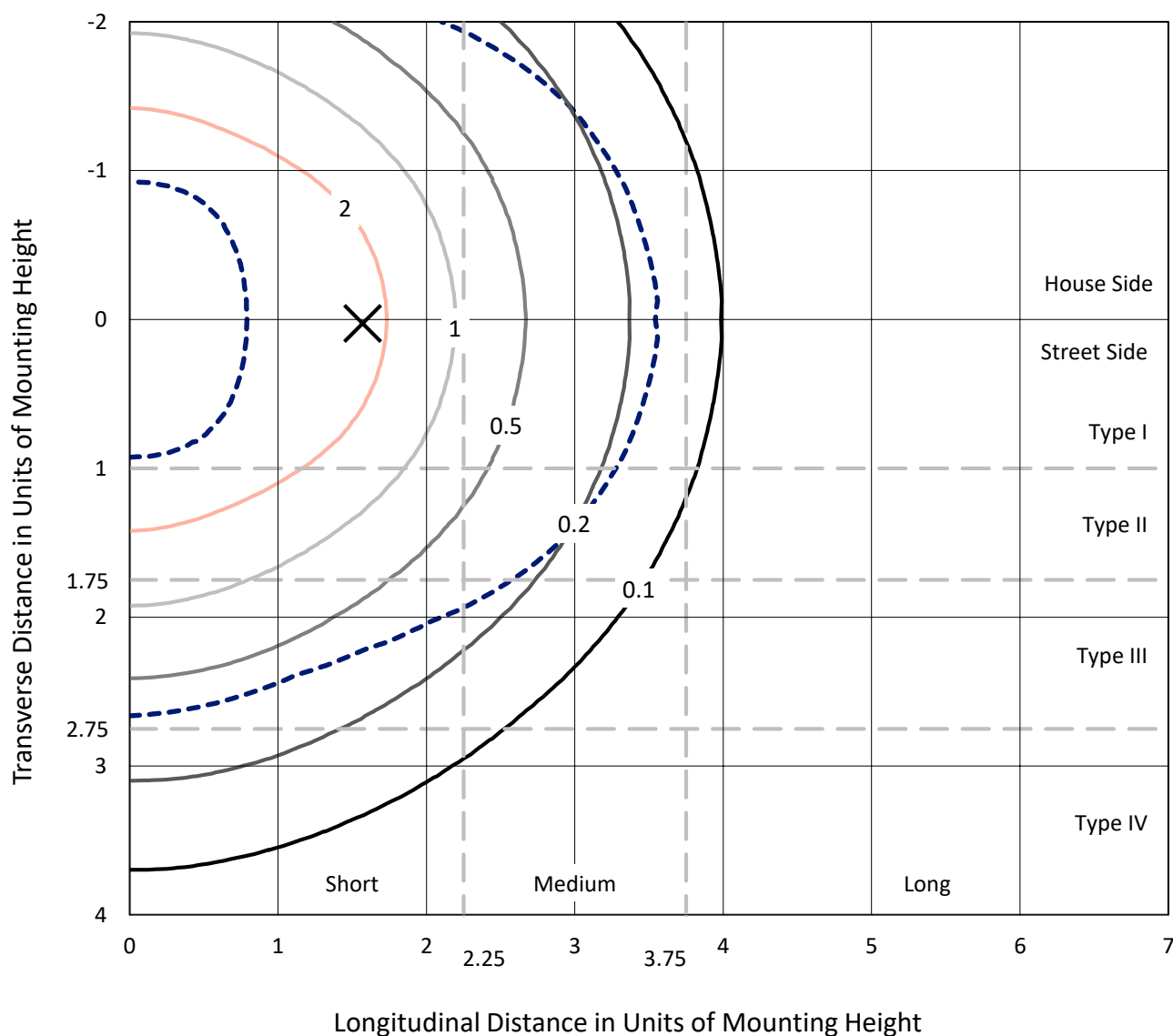
REPORT NUMBER: P198144

CATALOG NUMBER: TT-C3-LED-E1-RW-SG-7060

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

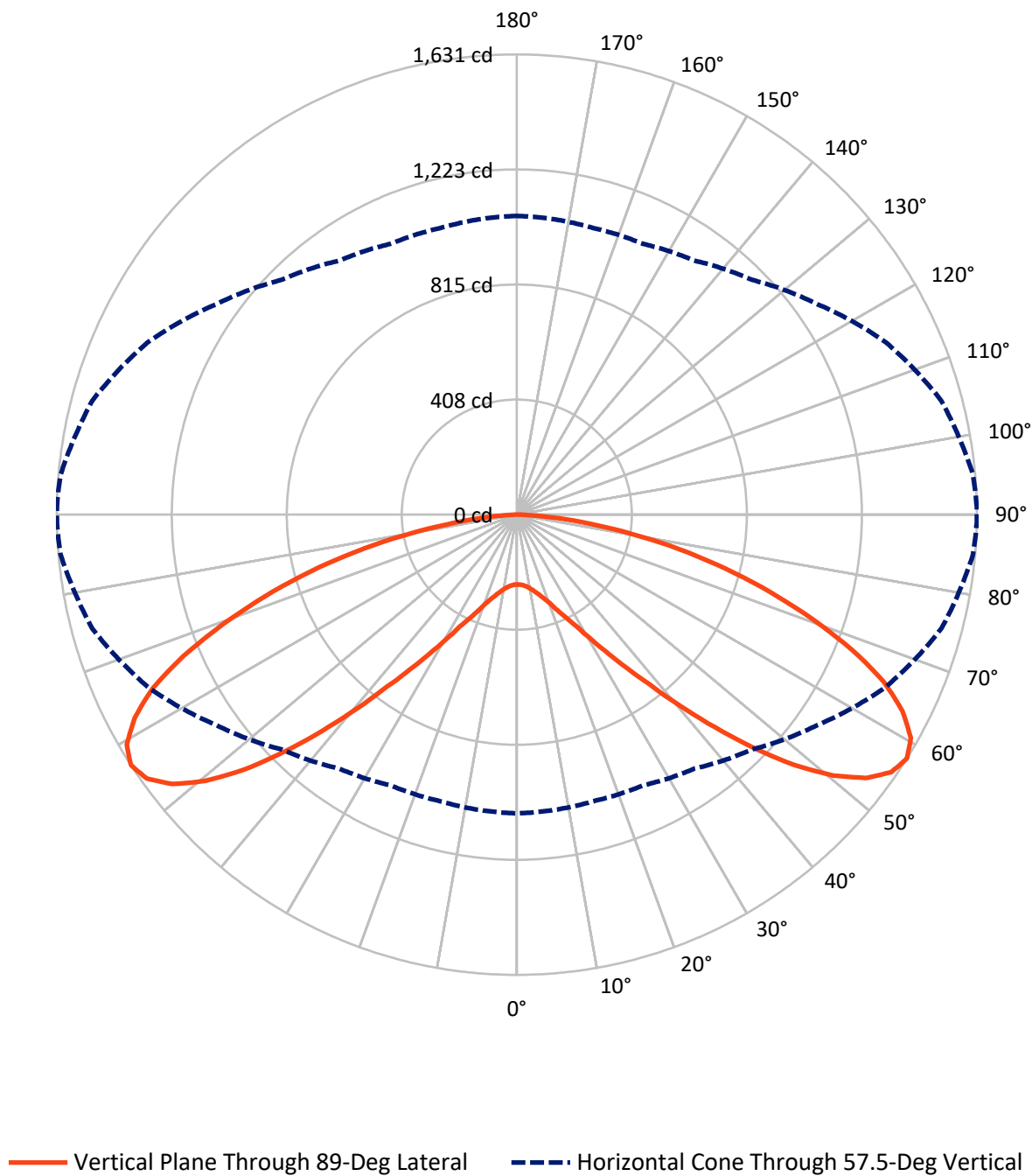


Based on 10 foot mounting height. Maximum calculated value = 4.2 fc
Type III - Short - Full Cutoff

REPORT NUMBER: P198144

CATALOG NUMBER: TT-C3-LED-E1-RW-SG-7060

Luminous Intensity Polar Plot



REPORT NUMBER: P198144

CATALOG NUMBER: TT-C3-LED-E1-RW-SG-7060

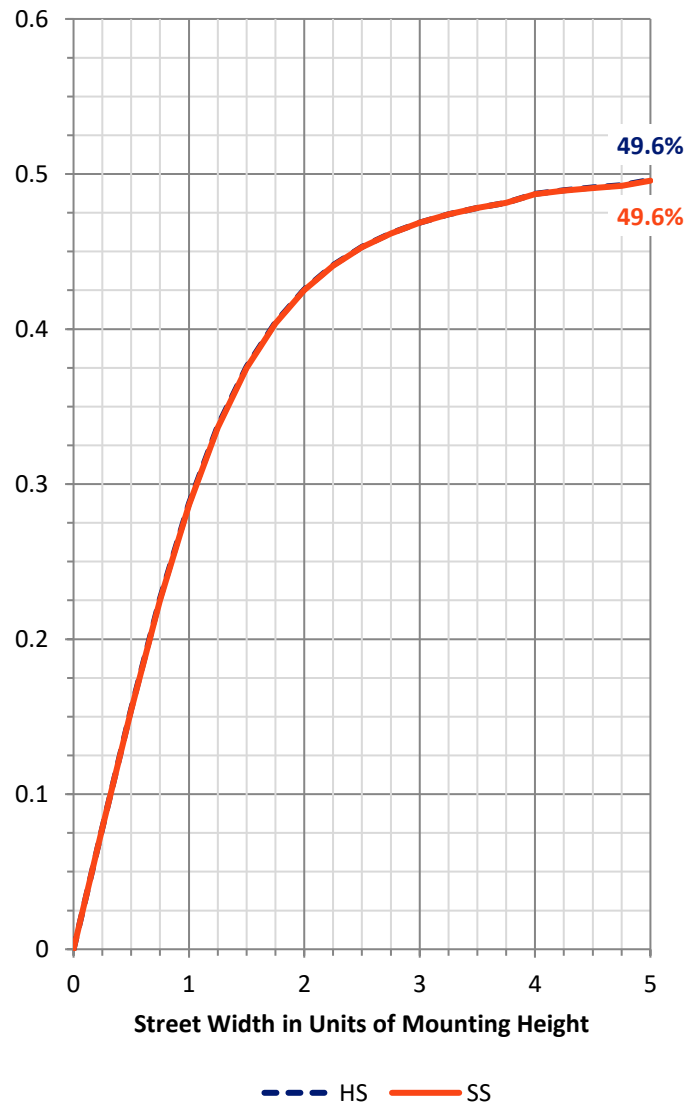
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2225.3	0.0	2225.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2225.3	0.0	2225.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	4450.7	0.0	4450.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.5	0.6
10°-20°	85.7	1.9
20°-30°	192.0	4.3
30°-40°	397.3	8.9
40°-50°	754.1	16.9
50°-60°	1103.5	24.8
60°-70°	1100.2	24.7
70°-80°	654.8	14.7
80°-90°	138.5	3.1
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°	4450.7	100.0
0°-180°	4450.7	100.0

Coefficient of Utilization



REPORT NUMBER: P198144

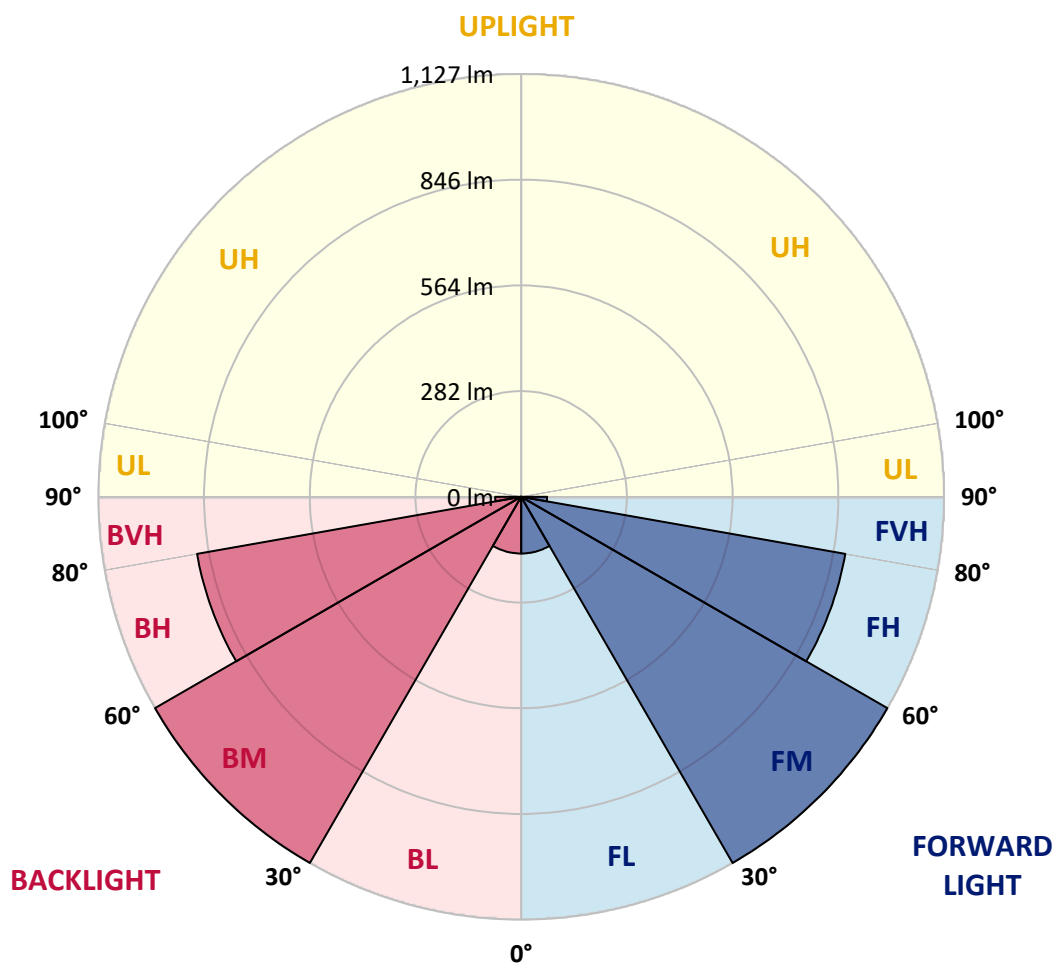
CATALOG NUMBER: TT-C3-LED-E1-RW-SG-7060

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	151.1	3.4			
FM	(30°-60°)	1127.5	25.3			
FH	(60°-80°)	877.5	19.7			G1/1800
FVH	(80°-90°)	69.3	1.6			G1/100
BL	(0°-30°)	151.1	3.4	B1/500		
BM	(30°-60°)	1127.5	25.3	B2/2500		
BH	(60°-80°)	877.5	19.7	B2/1000		G2/1000
BVH	(80°-90°)	69.3	1.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Short



REPORT NUMBER: P198144

CATALOG NUMBER: TT-C3-LED-E1-RW-SG-7060

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	247.2	247.2	247.2	247.2	247.2	247.2	247.2	247.2	247.2	247.2	247.2
2.5°	249.1	249.1	249.1	249.1	248.1	248.1	248.1	248.1	248.1	248.1	248.1
5°	252.8	252.8	251.8	252.8	251.8	251.8	251.8	251.8	251.8	251.8	251.8
7.5°	258.3	258.3	258.3	258.3	258.3	258.3	257.4	258.3	257.4	257.4	257.4
10°	268.5	267.6	268.5	267.6	267.6	266.7	266.7	266.7	266.7	266.7	266.7
12.5°	281.5	281.5	281.5	280.5	279.6	279.6	278.7	278.7	278.7	277.8	278.7
15°	299.1	300.0	297.2	296.3	296.3	294.4	293.5	294.4	293.5	292.6	293.5
17.5°	320.4	321.3	319.4	317.6	315.7	314.8	313.9	312.9	312.9	312.9	312.0
20°	348.1	348.1	346.3	342.6	339.8	337.9	337.9	337.0	337.0	337.9	335.2
22.5°	379.6	378.7	376.8	375.0	371.3	367.6	365.7	364.8	364.8	366.6	367.6
25°	418.5	419.4	413.9	410.2	406.5	400.0	399.1	400.0	400.9	400.9	402.8
27.5°	458.3	460.2	455.5	450.0	444.4	441.6	439.8	441.6	443.5	446.3	445.3
30°	505.5	504.6	503.7	495.3	488.9	486.1	487.9	493.5	498.1	504.6	505.5
32.5°	556.5	558.3	551.8	545.3	542.6	539.8	542.6	554.6	567.6	571.3	575.9
35°	616.6	612.9	609.2	604.6	600.0	600.0	613.9	627.7	648.1	662.0	662.0
37.5°	677.7	675.0	668.5	662.0	662.0	671.3	685.1	719.4	749.0	769.4	761.1
40°	740.7	737.0	735.1	727.7	728.7	750.9	780.5	823.1	865.7	894.4	888.8
42.5°	804.6	805.5	799.0	796.3	804.6	829.6	881.4	938.8	992.5	1028.6	1029.6
45°	870.3	870.3	865.7	863.8	879.6	917.5	982.4	1061.1	1133.3	1174.9	1179.6
47.5°	930.5	929.6	925.9	924.9	951.8	997.2	1078.6	1179.6	1268.4	1314.7	1326.8
50°	982.4	983.3	977.7	982.4	1006.4	1066.6	1164.8	1287.0	1388.8	1447.1	1452.7
52.5°	1023.1	1024.0	1017.5	1021.2	1053.6	1123.1	1232.3	1369.4	1480.5	1542.5	1549.9
55°	1050.9	1047.2	1042.5	1048.1	1085.1	1162.0	1281.4	1424.0	1539.7	1604.5	1610.1
57.5°	1058.3	1055.5	1050.9	1058.3	1098.1	1176.8	1299.9	1443.4	1558.2	1623.1	1630.5
60°	1047.2	1047.2	1041.6	1049.9	1089.8	1166.6	1287.0	1425.8	1535.1	1594.4	1604.5
62.5°	1018.5	1018.5	1012.0	1018.5	1056.4	1127.7	1242.5	1371.2	1470.3	1522.1	1534.2
65°	964.8	963.8	960.1	962.0	993.5	1061.1	1165.7	1282.3	1368.4	1414.7	1430.5
67.5°	887.0	884.2	880.5	884.2	907.4	967.5	1063.8	1165.7	1237.0	1281.4	1285.1
70°	787.9	785.1	780.5	778.7	802.7	850.9	928.7	1018.5	1077.7	1110.1	1113.8
72.5°	670.3	674.0	670.3	664.8	680.5	723.1	787.9	856.4	905.5	935.1	939.8
75°	554.6	555.5	546.3	544.4	556.5	583.3	636.1	688.9	731.4	756.4	763.8
77.5°	429.6	429.6	421.3	416.6	423.1	446.3	482.4	525.0	560.2	575.9	588.9
80°	309.2	309.2	301.8	290.7	297.2	309.2	341.6	364.8	392.6	410.2	412.0
82.5°	193.5	190.7	192.6	184.2	186.1	189.8	210.2	225.9	242.6	251.8	252.8
85°	100.9	97.2	95.4	90.7	88.0	94.4	103.7	114.8	118.5	126.8	124.1
87.5°	31.5	29.6	28.7	28.7	25.9	27.8	28.7	30.6	35.2	35.2	37.0
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: P198144

CATALOG NUMBER: TT-C3-LED-E1-RW-SG-7060

CANDELA DISTRIBUTION (continued):

	90°
0°	247.2
2.5°	248.1
5°	251.8
7.5°	257.4
10°	266.7
12.5°	277.8
15°	293.5
17.5°	312.9
20°	335.2
22.5°	364.8
25°	400.9
27.5°	443.5
30°	504.6
32.5°	573.1
35°	656.4
37.5°	770.3
40°	887.9
42.5°	1036.1
45°	1179.6
47.5°	1326.8
50°	1449.9
52.5°	1547.1
55°	1612.9
57.5°	1630.5
60°	1601.8
62.5°	1531.4
65°	1428.6
67.5°	1285.1
70°	1119.4
72.5°	937.0
75°	755.5
77.5°	585.2
80°	412.0
82.5°	260.2
85°	124.1
87.5°	39.8
90°	0.0

(END OF REPORT)