

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: P198043

Luminaire Tested: **TT-C2-LED-E1-RW-CG-MS/DIM-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198043
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-C2-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: 3294.3 lumens
Efficiency: N/A
Efficacy: 96.9 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G2

Input Watts (W): 34
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

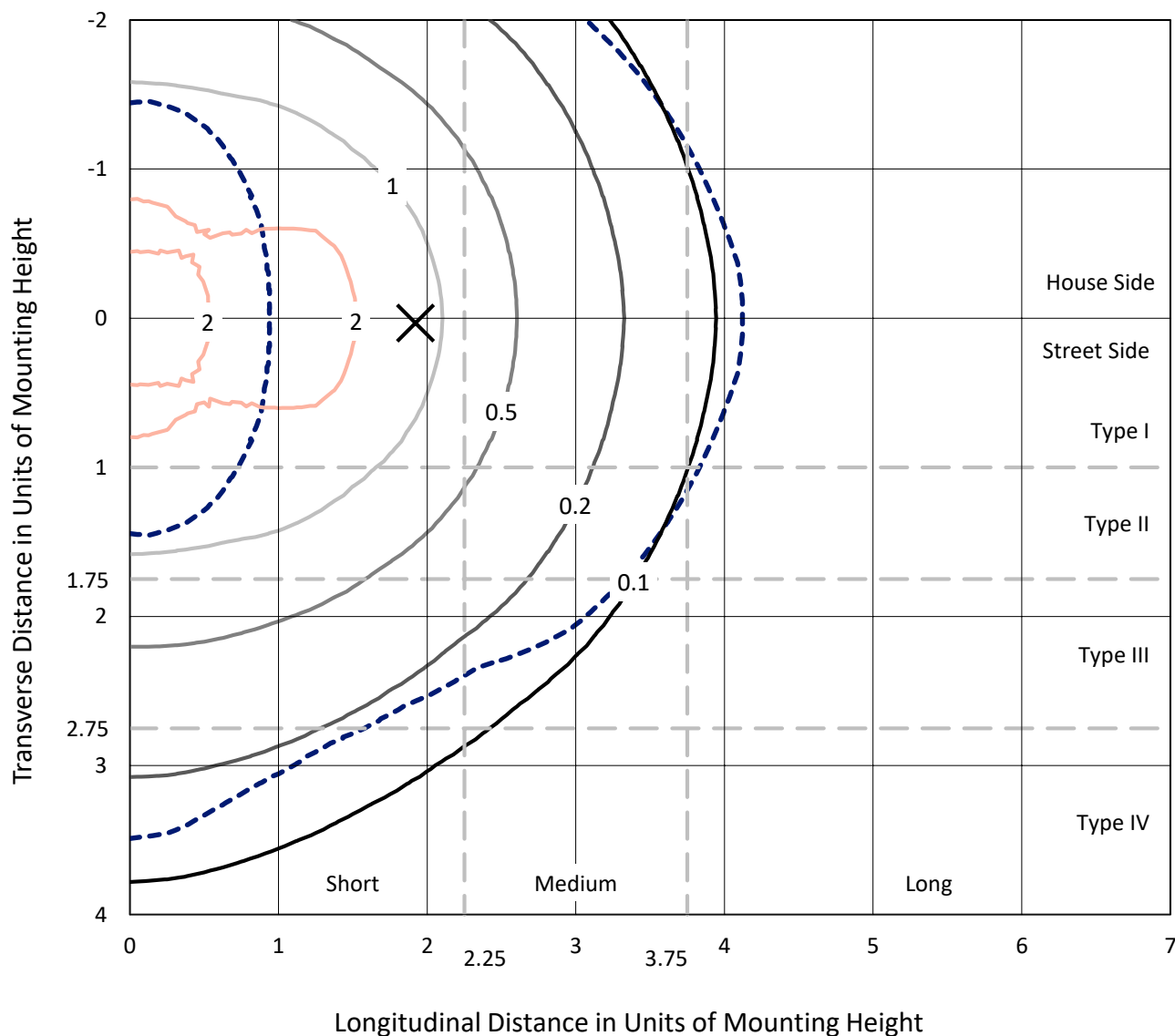


REPORT NUMBER: P198043

CATALOG NUMBER: TT-C2-LED-E1-RW-CG-MS/DIM-7050

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

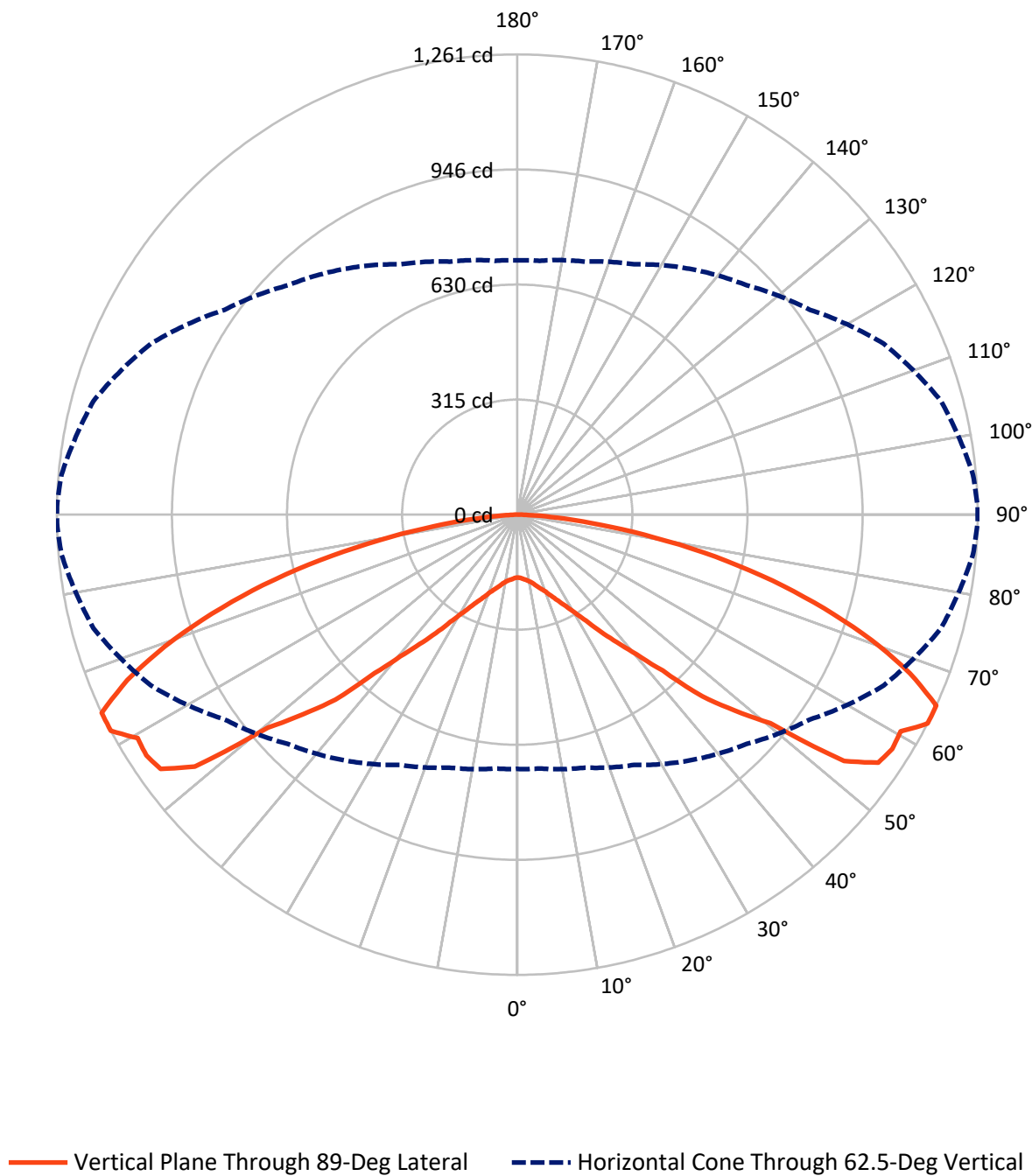


Based on 10 foot mounting height. Maximum calculated value = 2.5 fc
 Type IV - Short - Semi-Cutoff

REPORT NUMBER: P198043

CATALOG NUMBER: TT-C2-LED-E1-RW-CG-MS/DIM-7050

Luminous Intensity Polar Plot



REPORT NUMBER: P198043

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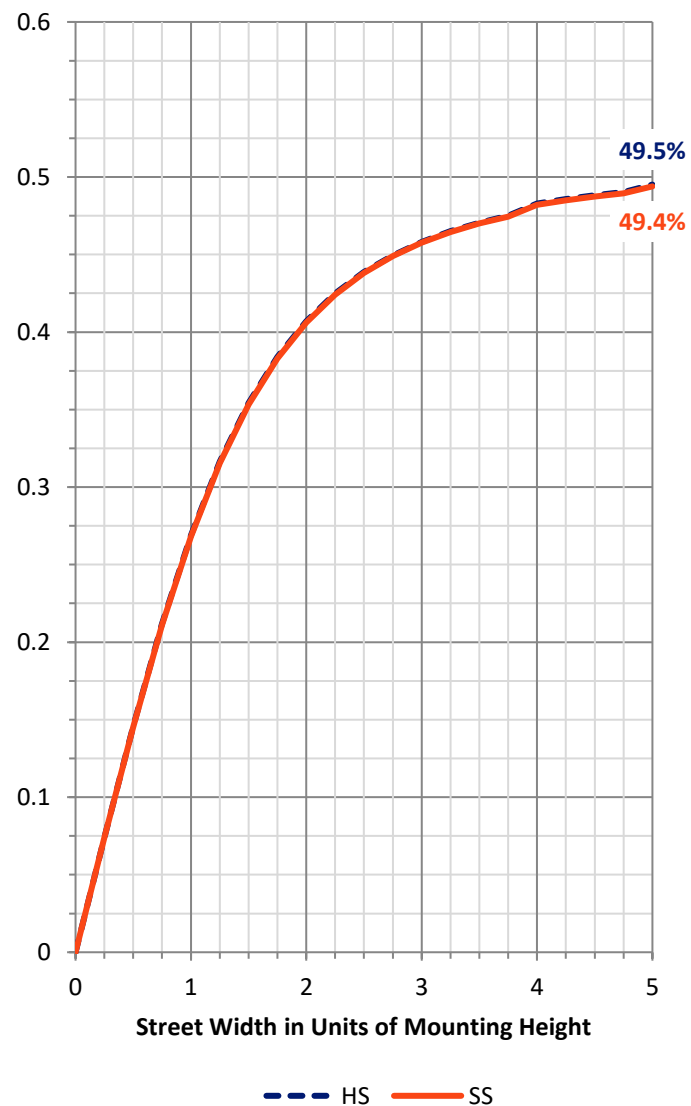
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1647.2	0.0	1647.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1647.2	0.0	1647.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	3294.3	0.0	3294.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.2	0.5
10°-20°	58.6	1.8
20°-30°	124.7	3.8
30°-40°	239.6	7.3
40°-50°	443.6	13.5
50°-60°	749.4	22.7
60°-70°	905.1	27.5
70°-80°	623.1	18.9
80°-90°	132.9	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°	3294.3	100.0
0°-180°	3294.3	100.0

Coefficient of Utilization



REPORT NUMBER: P198043

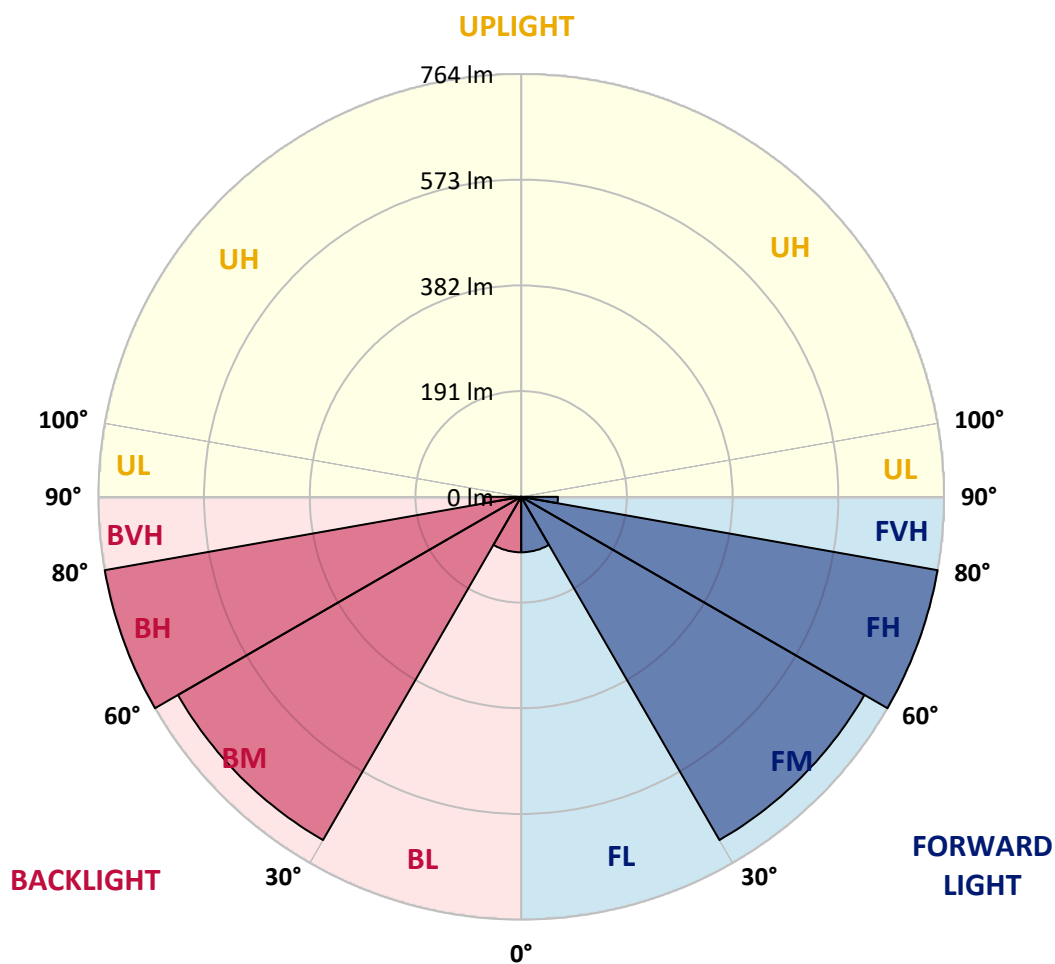
CATALOG NUMBER: TT-C2-LED-E1-RW-CG-MS/DIM-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	100.3	3.0			
FM	(30°-60°)	716.3	21.7			
FH	(60°-80°)	764.1	23.2			G1/1800
FVH	(80°-90°)	66.5	2.0			G1/100
BL	(0°-30°)	100.3	3.0	B0/110		
BM	(30°-60°)	716.3	21.7	B1/1000		
BH	(60°-80°)	764.1	23.2	B2/1000		G2/1000
BVH	(80°-90°)	66.5	2.0			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 IV Short



REPORT NUMBER: P198043

CATALOG NUMBER: TT-C2-LED-E1-RW-CG-MS/DIM-7050

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	172.2	172.2	172.2	172.2	172.2	172.2	172.2	172.2	172.2	172.2	172.2
2.5°	173.6	173.6	173.6	173.6	174.4	174.4	174.4	174.4	174.4	174.4	173.6
5°	176.5	175.8	176.5	177.2	177.2	178.0	178.0	178.0	178.0	177.2	177.2
7.5°	180.1	180.1	180.8	181.6	182.3	181.6	181.6	180.8	180.8	180.8	180.8
10°	186.6	185.9	186.6	187.3	186.6	186.6	186.6	186.6	186.6	186.6	185.9
12.5°	193.8	193.8	193.8	193.8	193.1	193.8	193.1	193.8	193.8	193.8	193.1
15°	203.9	203.9	203.9	203.2	202.5	202.5	202.5	202.5	202.5	202.5	203.2
17.5°	217.6	216.9	216.2	214.7	214.0	213.3	213.3	213.3	214.0	214.0	214.0
20°	233.4	232.0	230.6	229.8	229.1	227.7	227.0	227.7	228.4	228.4	226.2
22.5°	252.9	250.7	248.6	247.9	245.0	244.3	243.5	242.8	242.8	243.5	242.8
25°	270.9	271.6	269.5	265.9	265.1	263.7	261.5	262.3	261.5	262.3	261.5
27.5°	293.2	294.7	292.5	288.9	286.8	284.6	283.2	283.2	283.9	286.0	283.9
30°	318.5	319.2	317.0	314.1	310.5	307.7	306.9	310.5	310.5	313.4	312.0
32.5°	345.1	344.4	341.5	340.8	336.5	336.5	337.2	340.1	345.1	347.3	346.6
35°	377.5	373.2	372.5	369.6	366.0	366.0	370.3	377.5	386.9	392.7	393.4
37.5°	407.1	405.6	404.9	400.6	398.4	402.8	411.4	424.4	432.3	443.8	443.8
40°	437.3	440.9	437.3	433.0	435.2	441.7	456.1	472.6	490.7	502.9	502.9
42.5°	466.9	473.4	469.8	466.2	471.9	487.1	505.1	533.2	569.2	585.0	584.3
45°	498.6	503.6	500.0	500.7	513.0	531.7	566.3	626.8	677.3	709.7	710.4
47.5°	533.2	533.9	531.7	535.3	553.3	589.4	636.2	710.4	760.1	799.0	801.9
50°	567.8	564.2	563.4	572.1	604.5	649.9	716.9	788.9	867.5	896.3	898.5
52.5°	598.7	594.4	597.3	611.7	654.2	710.4	794.0	916.5	1030.3	1115.3	1121.1
55°	628.3	623.2	630.4	653.5	709.7	785.3	889.8	1042.6	1139.1	1194.6	1199.6
57.5°	653.5	652.1	663.6	692.4	761.6	853.8	968.4	1093.0	1164.3	1206.1	1211.2
60°	678.7	678.7	693.8	731.3	808.4	892.7	983.5	1092.3	1165.8	1201.1	1206.1
62.5°	696.7	698.2	717.6	756.5	822.1	888.4	978.4	1107.4	1201.8	1253.0	1260.9
65°	706.8	709.7	730.6	756.5	816.3	884.1	1010.9	1119.7	1197.5	1251.5	1260.9
67.5°	708.3	714.0	724.1	743.6	794.0	851.6	959.0	1047.6	1112.5	1153.5	1160.0
70°	701.8	699.6	698.9	703.9	729.1	770.9	865.3	935.2	999.3	1025.3	1030.3
72.5°	669.3	668.6	643.4	627.6	634.0	662.9	746.4	800.5	842.3	875.4	879.0
75°	604.5	598.7	556.9	524.5	518.0	544.0	606.7	646.3	683.8	714.7	722.7
77.5°	504.4	489.9	447.4	409.2	397.0	416.5	463.3	490.7	518.0	554.1	554.1
80°	366.0	358.8	322.1	291.1	278.8	290.4	323.5	335.0	349.4	381.9	382.6
82.5°	236.3	228.4	203.9	184.4	173.6	180.8	194.5	199.6	211.8	231.3	230.6
85°	115.3	115.3	103.0	92.2	82.1	83.6	92.2	95.1	105.2	110.2	108.8
87.5°	28.8	31.7	28.1	25.9	23.1	23.1	25.9	25.9	31.7	31.7	30.3
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: P198043

CATALOG NUMBER: TT-C2-LED-E1-RW-CG-MS/DIM-7050

CANDELA DISTRIBUTION (continued):

	90°
0°	172.2
2.5°	173.6
5°	177.2
7.5°	180.8
10°	185.9
12.5°	193.8
15°	202.5
17.5°	214.7
20°	228.4
22.5°	242.8
25°	261.5
27.5°	286.0
30°	313.4
32.5°	345.8
35°	390.5
37.5°	443.8
40°	503.6
42.5°	585.0
45°	711.9
47.5°	799.0
50°	896.3
52.5°	1117.5
55°	1198.9
57.5°	1211.9
60°	1207.6
62.5°	1260.9
65°	1259.4
67.5°	1158.6
70°	1032.5
72.5°	884.8
75°	725.5
77.5°	550.5
80°	397.7
82.5°	232.0
85°	110.2
87.5°	33.1
90°	0.0

(END OF REPORT)