

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: P197781

Luminaire Tested: **TT-C3-LED-E1-WQ-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197781
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34714)
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-WQ-8030
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
WIDE DISTRIBUTION
Light Source: (168) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4948.6 lumens
Efficiency: N/A
Efficacy: 110.0 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B3 - 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



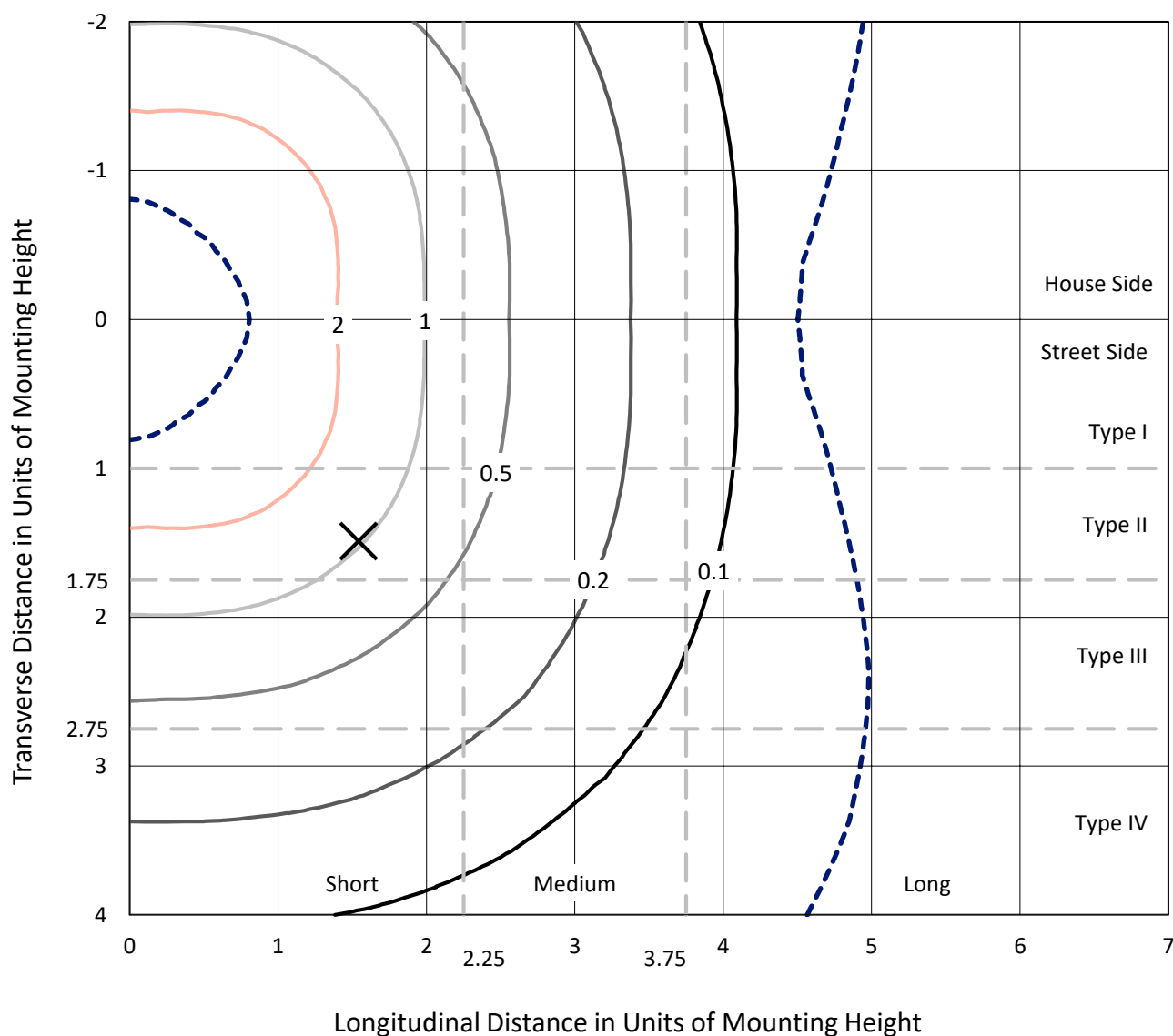
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

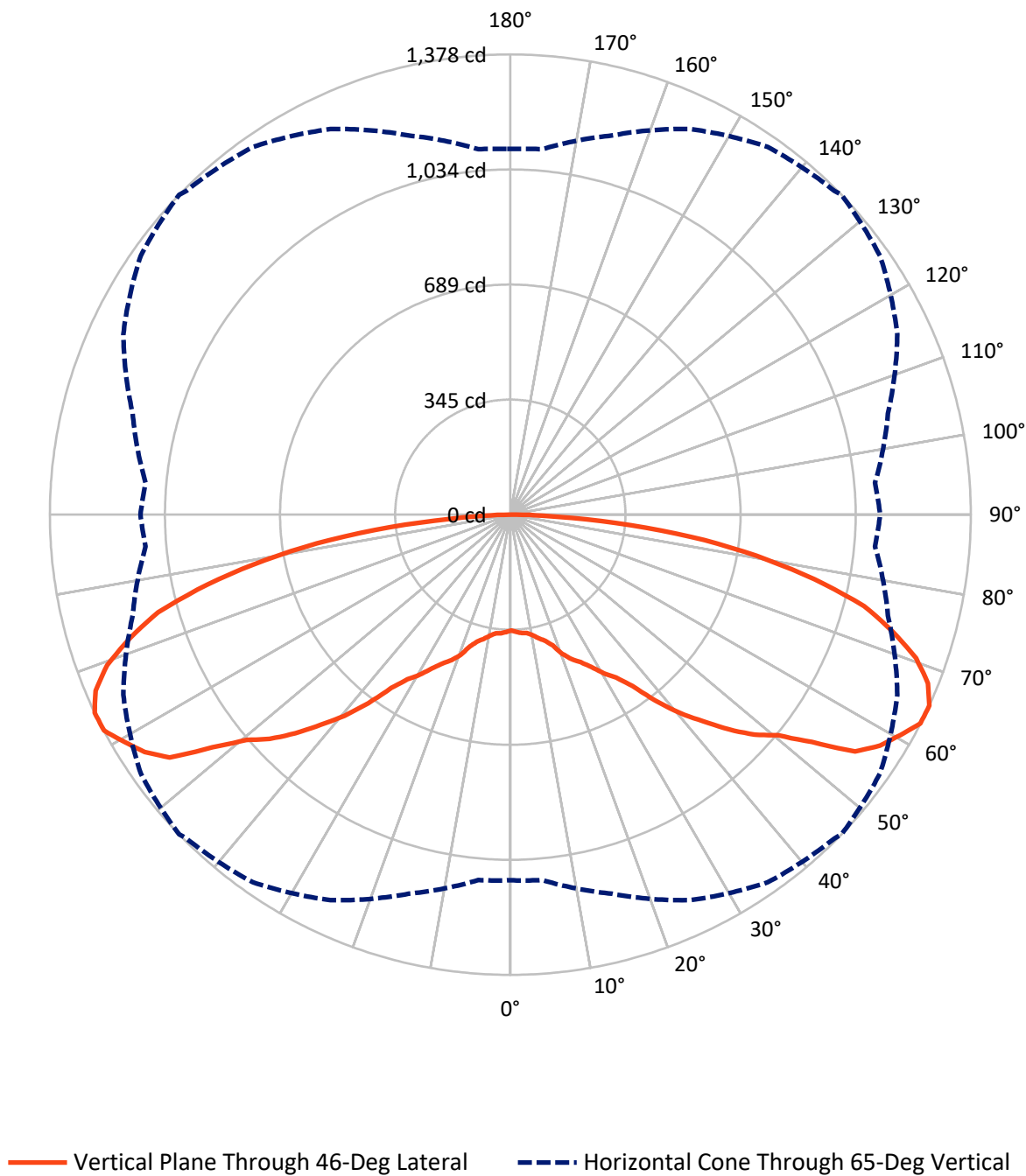


Based on 10 foot mounting height. Maximum calculated value = 3.7 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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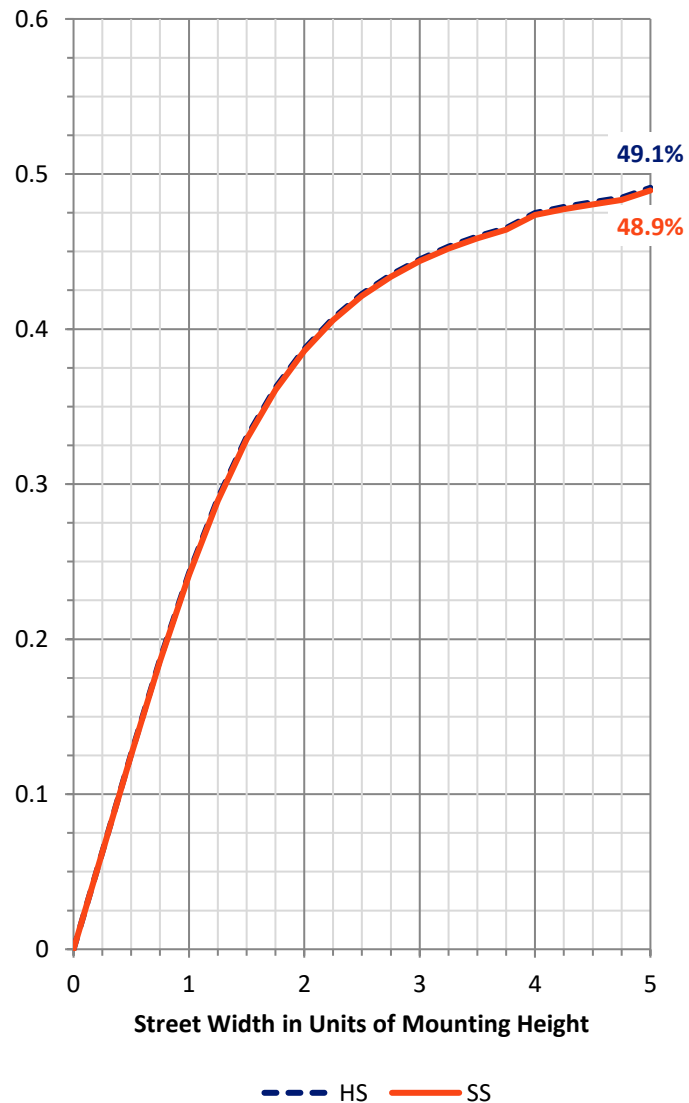
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2474.3	0.0	2474.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2474.3	0.0	2474.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	4948.6	0.0	4948.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.3	0.7
10°-20°	114.2	2.3
20°-30°	229.9	4.6
30°-40°	400.3	8.1
40°-50°	677.1	13.7
50°-60°	1009.2	20.4
60°-70°	1207.8	24.4
70°-80°	977.9	19.8
80°-90°	297.9	6.0
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°	4948.6	100.0
0°-180°	4948.6	100.0

Coefficient of Utilization



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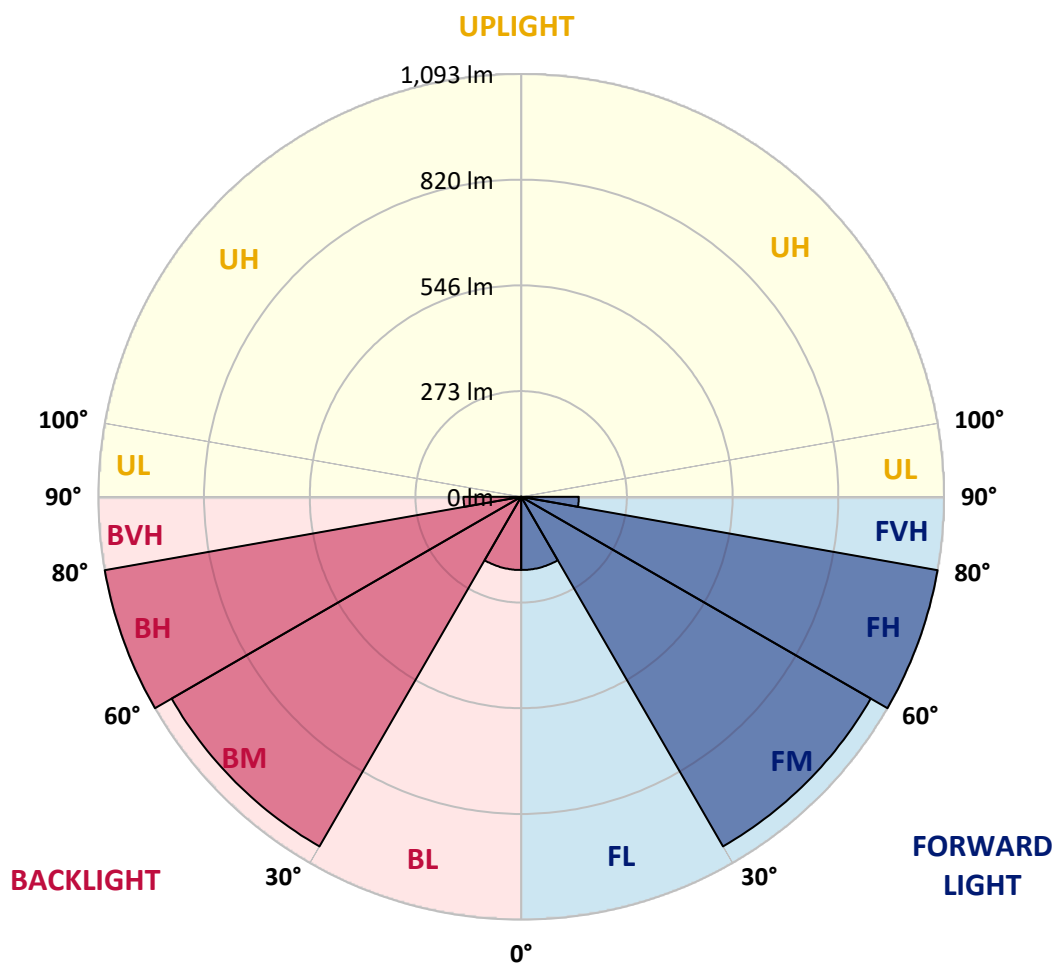
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	189.2	3.8			
FM	(30°-60°)	1043.3	21.1			
FH	(60°-80°)	1092.8	22.1			G1/1800
FVH	(80°-90°)	149.0	3.0			G2/225
BL	(0°-30°)	189.2	3.8	B1/500		
BM	(30°-60°)	1043.3	21.1	B2/2500		
BH	(60°-80°)	1092.8	22.1	B3/2500		G1/1800
BVH	(80°-90°)	149.0	3.0			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	346.6	346.6	346.6	346.6	346.6	346.6	346.6	346.6	346.6	346.6	346.6
2.5°	352.6	351.8	351.8	351.8	351.8	351.8	351.8	351.8	351.8	351.8	352.6
5°	358.6	358.6	357.8	356.9	356.9	356.0	356.0	356.0	356.9	357.8	357.8
7.5°	361.2	360.3	360.3	359.5	358.6	358.6	357.8	358.6	359.5	360.3	360.3
10°	366.3	367.2	368.0	368.9	369.7	368.9	367.2	368.9	368.9	368.0	366.3
12.5°	378.3	378.3	380.9	383.4	383.4	382.6	380.0	383.4	382.6	380.0	378.3
15°	394.6	395.4	395.4	398.0	396.3	394.6	392.0	396.3	396.3	394.6	393.7
17.5°	417.7	416.0	413.4	415.1	416.8	416.8	411.7	416.8	413.4	411.7	414.2
20°	443.3	442.5	441.6	443.3	450.2	447.6	445.1	448.5	444.2	438.2	439.9
22.5°	463.0	464.7	467.3	469.9	476.7	475.0	469.9	475.9	469.0	467.3	462.2
25°	487.9	487.0	493.8	493.8	498.1	495.6	489.6	498.1	491.3	493.8	486.1
27.5°	512.7	511.8	517.0	517.0	524.7	523.8	516.1	524.7	517.0	515.2	512.7
30°	540.9	539.2	540.1	546.9	558.0	558.0	551.2	555.5	546.9	538.4	537.5
32.5°	570.9	567.5	572.6	583.7	589.7	588.0	581.1	588.0	585.4	570.9	567.5
35°	600.0	604.3	613.7	623.1	634.2	635.9	629.9	633.4	623.9	612.8	604.3
37.5°	648.8	655.6	667.6	689.8	707.0	712.1	707.0	705.2	691.6	666.7	654.8
40°	717.2	718.9	735.2	768.6	786.6	790.0	780.6	783.1	766.9	739.5	713.8
42.5°	772.9	770.3	799.4	829.4	848.2	855.9	845.6	849.0	826.8	800.3	772.0
45°	818.2	820.8	850.7	880.7	910.7	925.2	917.5	911.5	879.0	849.0	824.2
47.5°	860.2	872.1	892.7	936.3	974.0	990.3	984.3	975.7	941.5	891.8	873.0
50°	913.2	920.9	945.8	1002.2	1037.3	1043.3	1038.2	1038.2	1005.7	948.3	922.6
52.5°	970.6	971.4	1008.2	1066.4	1110.9	1134.9	1130.6	1118.6	1067.3	1016.8	974.9
55°	1039.0	1029.6	1087.0	1147.7	1214.5	1253.9	1252.2	1226.5	1156.3	1089.5	1033.9
57.5°	1077.6	1079.3	1131.5	1223.1	1287.3	1298.4	1304.4	1289.0	1235.9	1133.2	1089.5
60°	1086.1	1106.7	1154.6	1255.6	1306.1	1338.6	1340.3	1314.6	1259.0	1161.4	1115.2
62.5°	1089.5	1114.4	1173.4	1253.9	1339.5	1371.1	1377.1	1350.6	1260.7	1176.0	1108.4
65°	1094.7	1098.1	1175.1	1273.6	1343.7	1371.1	1378.0	1350.6	1277.8	1170.0	1095.5
67.5°	1073.3	1064.7	1132.3	1239.3	1307.8	1340.3	1348.0	1315.5	1241.9	1134.0	1075.8
70°	996.3	999.7	1075.0	1176.8	1252.2	1283.0	1288.1	1253.0	1176.0	1082.7	1015.1
72.5°	914.9	923.5	986.8	1089.5	1157.2	1187.1	1196.5	1159.7	1094.7	998.8	928.6
75°	802.0	818.2	879.0	971.4	1039.0	1084.4	1093.8	1045.9	968.0	885.0	817.4
77.5°	677.0	688.1	746.3	825.9	898.7	921.8	930.3	907.2	830.2	756.6	693.3
80°	532.4	536.6	595.7	659.0	715.5	734.3	747.2	718.1	665.9	599.1	537.5
82.5°	365.5	371.5	413.4	471.6	521.2	528.9	545.2	521.2	472.4	421.1	374.9
85°	190.0	198.6	231.1	262.8	301.3	310.7	315.8	297.8	272.2	230.2	199.4
87.5°	41.1	45.4	50.5	65.0	77.9	89.0	96.7	80.5	64.2	53.9	41.1
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°	346.6
2.5°	351.8
5°	357.8
7.5°	360.3
10°	366.3
12.5°	377.4
15°	394.6
17.5°	416.0
20°	439.1
22.5°	459.6
25°	484.4
27.5°	512.7
30°	541.8
32.5°	565.7
35°	599.1
37.5°	653.9
40°	719.8
42.5°	772.9
45°	816.5
47.5°	865.3
50°	914.1
52.5°	976.6
55°	1038.2
57.5°	1069.9
60°	1089.5
62.5°	1104.9
65°	1106.7
67.5°	1062.2
70°	994.5
72.5°	917.5
75°	804.5
77.5°	685.6
80°	532.4
82.5°	374.0
85°	196.0
87.5°	38.5
90°	0.0

(END OF REPORT)