

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: P197784

Luminaire Tested: **TT-C3-LED-E1-WQ-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197784
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-7060
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
WIDE DISTRIBUTION
Light Source: (168) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5353.3 lumens
Efficiency: N/A
Efficacy: 119.0 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

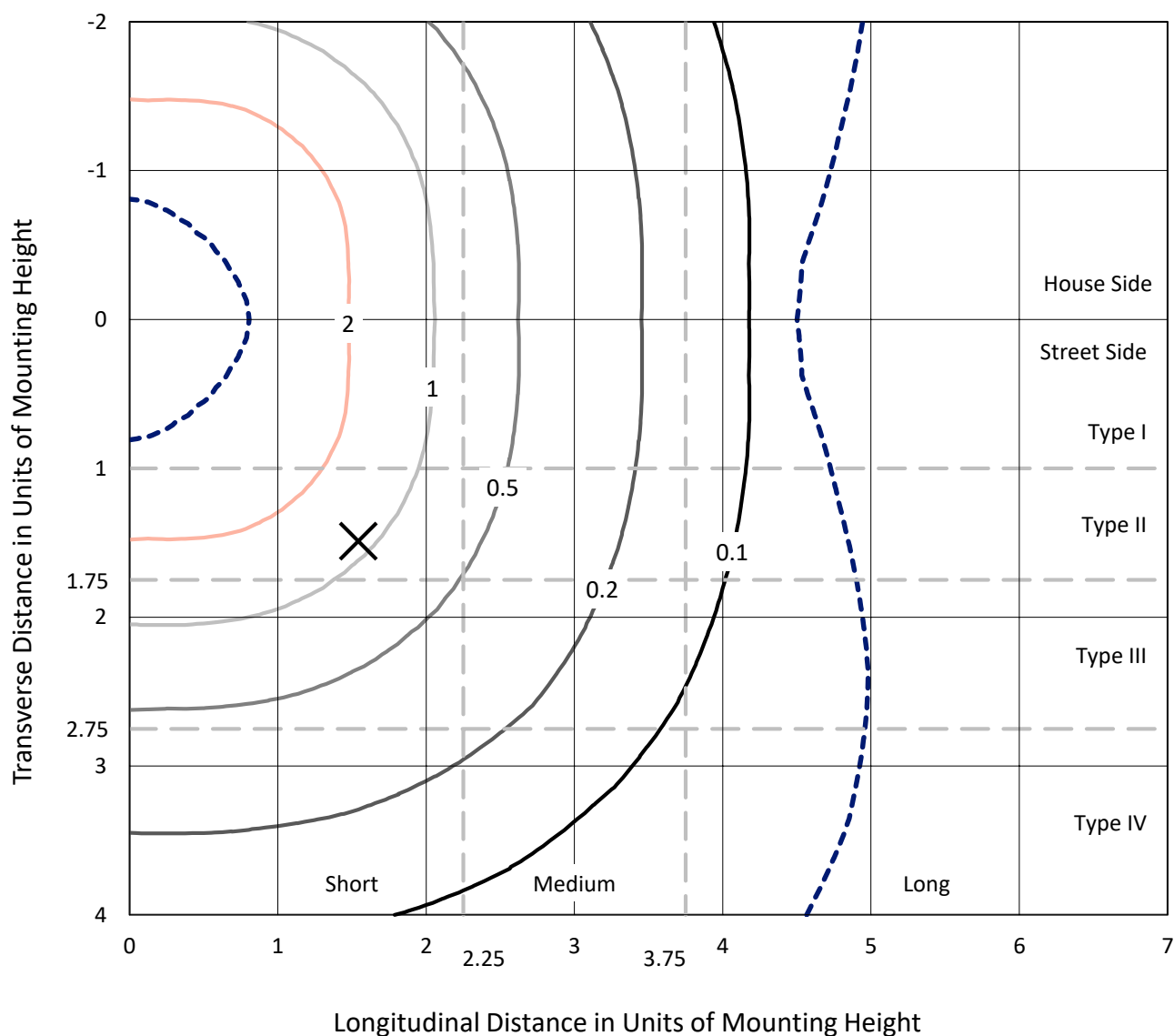


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

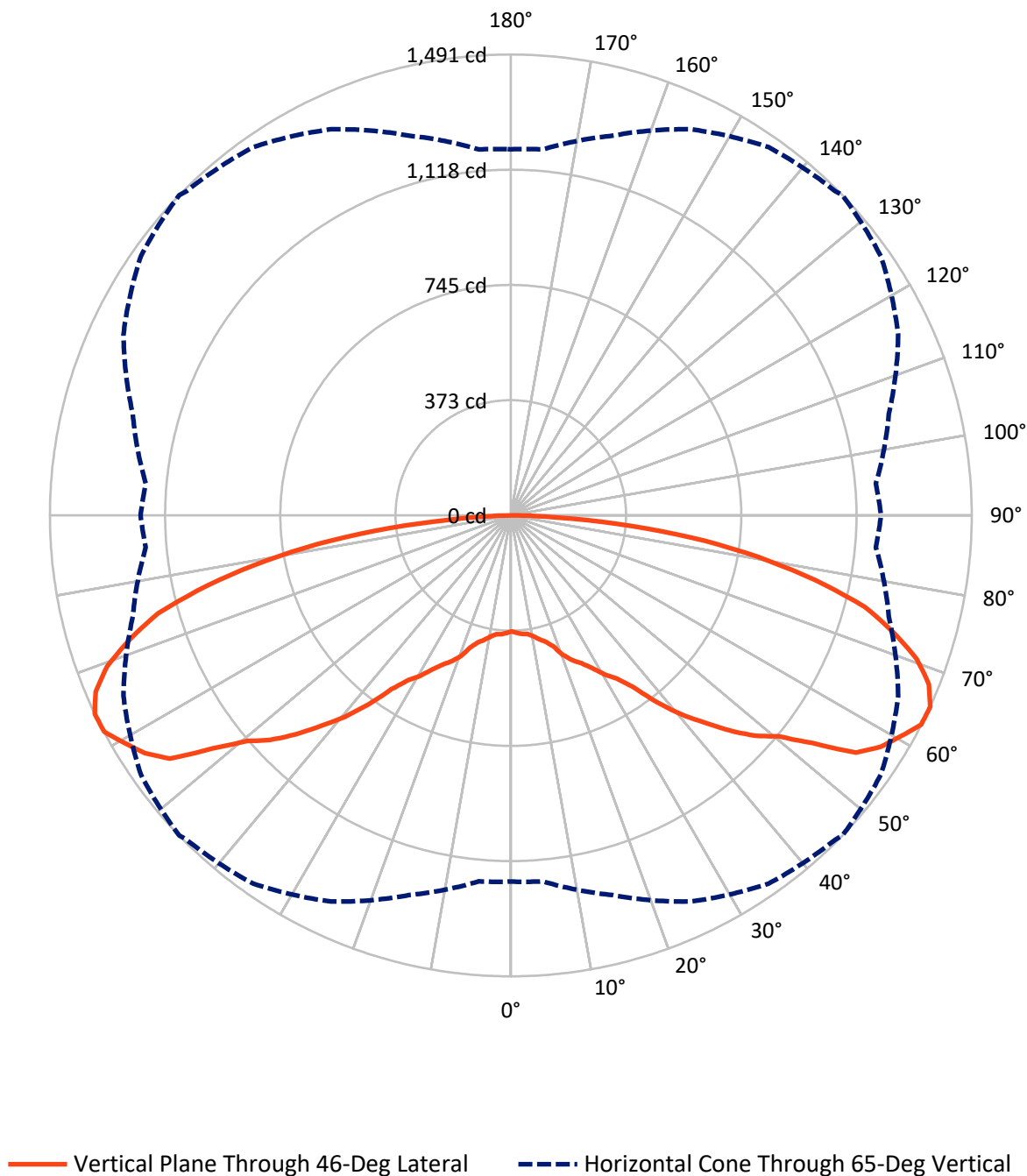


Based on 10 foot mounting height. Maximum calculated value = 4 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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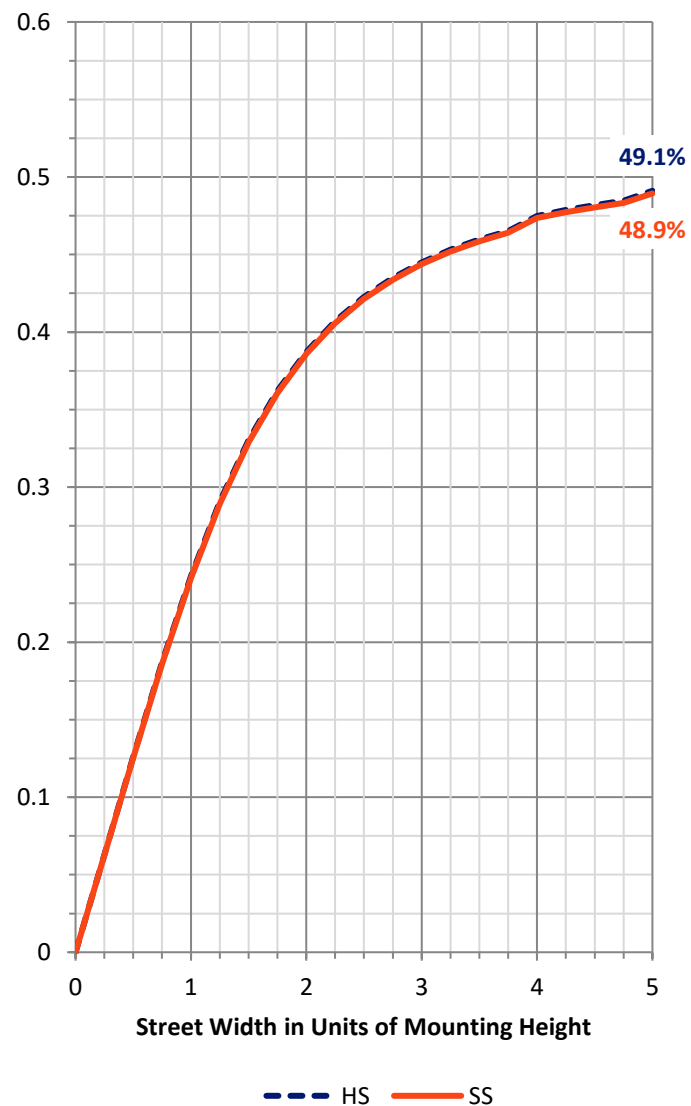
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2676.7	0.0	2676.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2676.7	0.0	2676.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	5353.3	0.0	5353.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.1	0.7
10°-20°	123.6	2.3
20°-30°	248.7	4.6
30°-40°	433.1	8.1
40°-50°	732.4	13.7
50°-60°	1091.7	20.4
60°-70°	1306.5	24.4
70°-80°	1057.9	19.8
80°-90°	322.3	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°	5353.3	100.0
0°-180°	5353.3	100.0

Coefficient of Utilization



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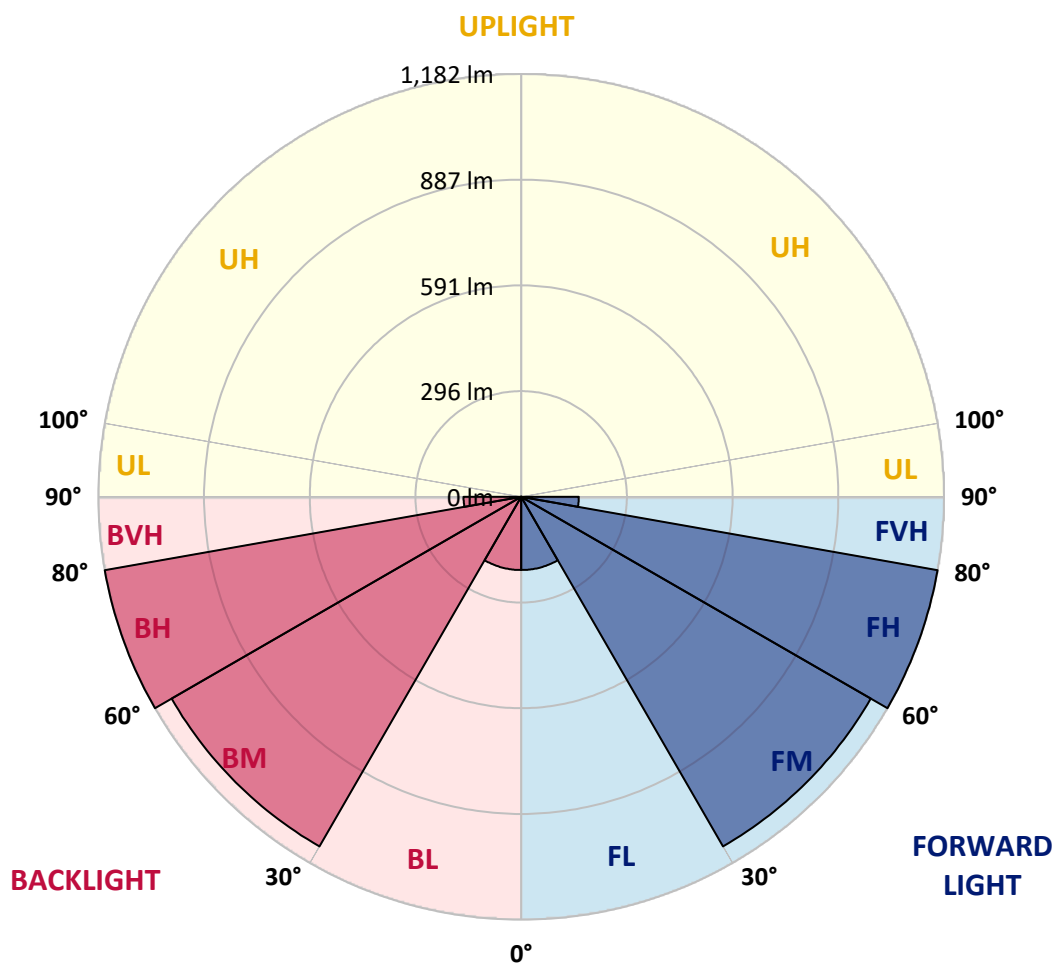
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	204.7	3.8			
FM	(30°-60°)	1128.6	21.1			
FH	(60°-80°)	1182.2	22.1			G1/1800
FVH	(80°-90°)	161.1	3.0			G2/225
BL	(0°-30°)	204.7	3.8	B1/500		
BM	(30°-60°)	1128.6	21.1	B2/2500		
BH	(60°-80°)	1182.2	22.1	B3/2500		G1/1800
BVH	(80°-90°)	161.1	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°	375.0	375.0	375.0	375.0	375.0	375.0	375.0	375.0	375.0	375.0	375.0
2.5°	381.5	380.5	380.5	380.5	380.5	380.5	380.5	380.5	380.5	380.5	381.5
5°	387.9	387.9	387.0	386.1	386.1	385.2	385.2	385.2	386.1	387.0	387.0
7.5°	390.7	389.8	389.8	388.9	387.9	387.9	387.9	387.9	388.9	389.8	389.8
10°	396.3	397.2	398.1	399.1	400.0	399.1	397.2	399.1	399.1	398.1	396.3
12.5°	409.2	409.2	412.0	414.8	414.8	413.9	411.1	414.8	413.9	411.1	409.2
15°	426.8	427.8	427.8	430.5	428.7	426.8	424.1	428.7	428.7	426.8	425.9
17.5°	451.8	450.0	447.2	449.0	450.9	450.9	445.3	450.9	447.2	445.3	448.1
20°	479.6	478.7	477.8	479.6	487.0	484.2	481.5	485.2	480.5	474.0	475.9
22.5°	500.9	502.8	505.5	508.3	515.7	513.9	508.3	514.8	507.4	505.5	500.0
25°	527.7	526.8	534.2	534.2	538.9	536.1	529.6	538.9	531.5	534.2	525.9
27.5°	554.6	553.7	559.2	559.2	567.6	566.6	558.3	567.6	559.2	557.4	554.6
30°	585.2	583.3	584.2	591.6	603.7	603.7	596.3	600.9	591.6	582.4	581.4
32.5°	617.6	613.9	619.4	631.4	637.9	636.1	628.7	636.1	633.3	617.6	613.9
35°	649.0	653.7	663.9	674.0	686.1	687.9	681.4	685.1	675.0	662.9	653.7
37.5°	701.8	709.2	722.2	746.3	764.8	770.3	764.8	762.9	748.1	721.3	708.3
40°	775.9	777.7	795.3	831.4	850.9	854.6	844.4	847.2	829.6	800.0	772.2
42.5°	836.1	833.3	864.8	897.2	917.5	925.9	914.8	918.5	894.4	865.7	835.1
45°	885.1	887.9	920.3	952.7	985.1	1000.9	992.5	986.1	950.9	918.5	891.6
47.5°	930.5	943.5	965.7	1012.9	1053.6	1071.2	1064.8	1055.5	1018.5	964.8	944.4
50°	987.9	996.2	1023.1	1084.2	1122.2	1128.6	1123.1	1123.1	1087.9	1025.9	998.1
52.5°	1049.9	1050.9	1090.7	1153.6	1201.8	1227.7	1223.1	1210.1	1154.6	1099.9	1054.6
55°	1124.0	1113.8	1175.9	1241.6	1313.8	1356.4	1354.6	1326.8	1250.9	1178.6	1118.5
57.5°	1165.7	1167.5	1224.0	1323.1	1392.5	1404.6	1411.0	1394.4	1337.0	1225.9	1178.6
60°	1174.9	1197.2	1249.0	1358.3	1412.9	1448.1	1449.9	1422.1	1362.0	1256.4	1206.4
62.5°	1178.6	1205.5	1269.4	1356.4	1449.0	1483.3	1489.7	1461.0	1363.8	1272.2	1199.0
65°	1184.2	1187.9	1271.2	1377.7	1453.6	1483.3	1490.7	1461.0	1382.3	1265.7	1185.1
67.5°	1161.0	1151.8	1224.9	1340.7	1414.7	1449.9	1458.3	1423.1	1343.4	1226.8	1163.8
70°	1077.7	1081.4	1162.9	1273.1	1354.6	1387.9	1393.4	1355.5	1272.2	1171.2	1098.1
72.5°	989.8	999.0	1067.5	1178.6	1251.8	1284.2	1294.4	1254.6	1184.2	1080.5	1004.6
75°	867.5	885.1	950.9	1050.9	1124.0	1173.1	1183.3	1131.4	1047.2	957.4	884.2
77.5°	732.4	744.4	807.4	893.5	972.2	997.2	1006.4	981.4	898.1	818.5	750.0
80°	575.9	580.5	644.4	712.9	774.0	794.4	808.3	776.8	720.3	648.1	581.4
82.5°	395.3	401.8	447.2	510.2	563.9	572.2	589.8	563.9	511.1	455.5	405.5
85°	205.5	214.8	250.0	284.2	325.9	336.1	341.6	322.2	294.4	249.1	215.7
87.5°	44.4	49.1	54.6	70.4	84.3	96.3	104.6	87.0	69.4	58.3	44.4
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°	375.0
2.5°	380.5
5°	387.0
7.5°	389.8
10°	396.3
12.5°	408.3
15°	426.8
17.5°	450.0
20°	475.0
22.5°	497.2
25°	524.0
27.5°	554.6
30°	586.1
32.5°	612.0
35°	648.1
37.5°	707.4
40°	778.7
42.5°	836.1
45°	883.3
47.5°	936.1
50°	988.8
52.5°	1056.4
55°	1123.1
57.5°	1157.3
60°	1178.6
62.5°	1195.3
65°	1197.2
67.5°	1149.0
70°	1075.9
72.5°	992.5
75°	870.3
77.5°	741.6
80°	575.9
82.5°	404.6
85°	212.0
87.5°	41.7
90°	0.0

(END OF REPORT)