

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: P197760

Luminaire Tested: **TT-C3-LED-E1-WQ-MS/DIM-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197760
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P115468)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-C3-LED-E1-WQ-MS/DIM-7060
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
WIDE DISTRIBUTION WITH DIMMING OCCUPANCY SENSOR
Light Source: (168) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5233.8 lumens
Efficiency: N/A
Efficacy: 116.3 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



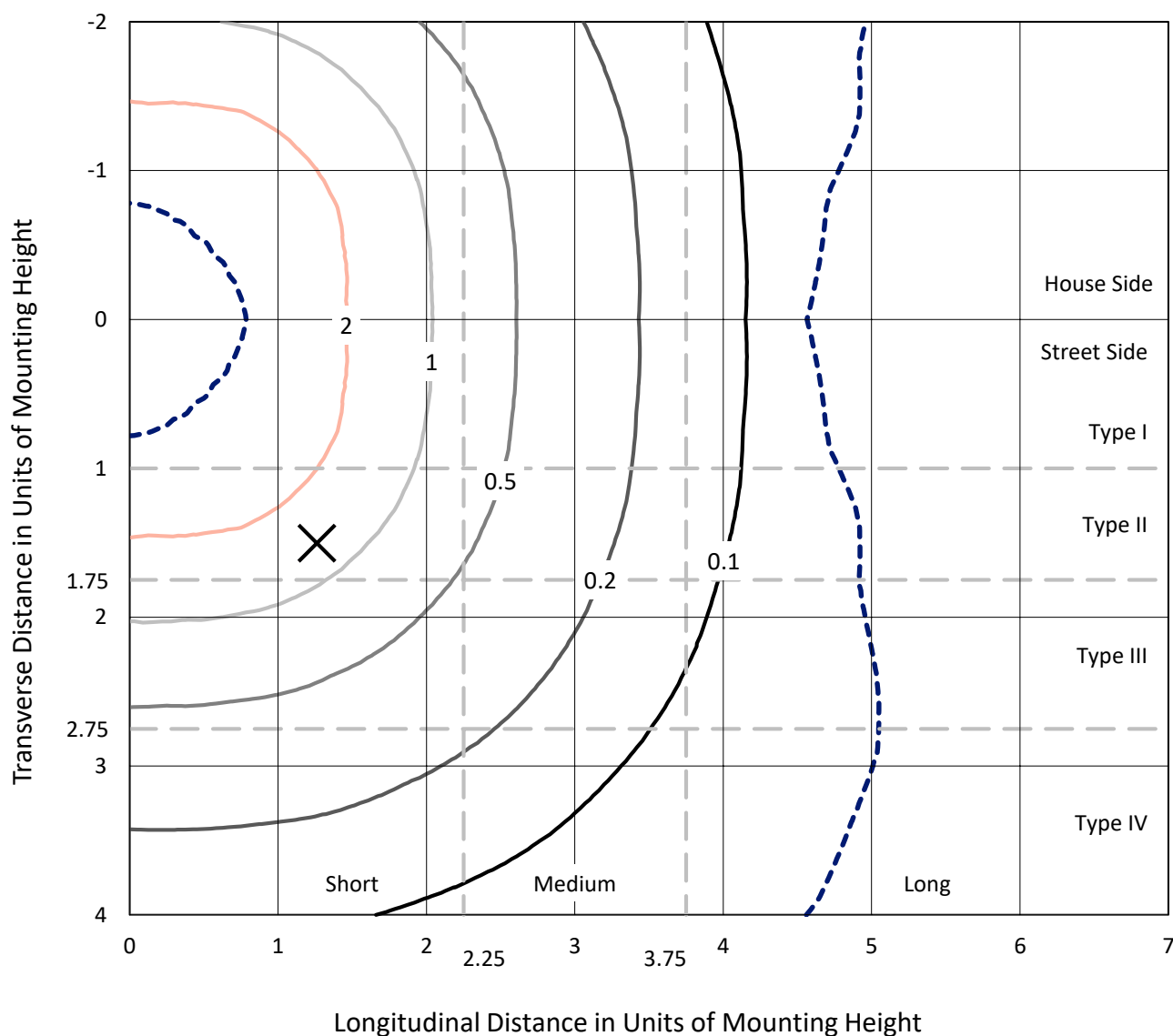
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

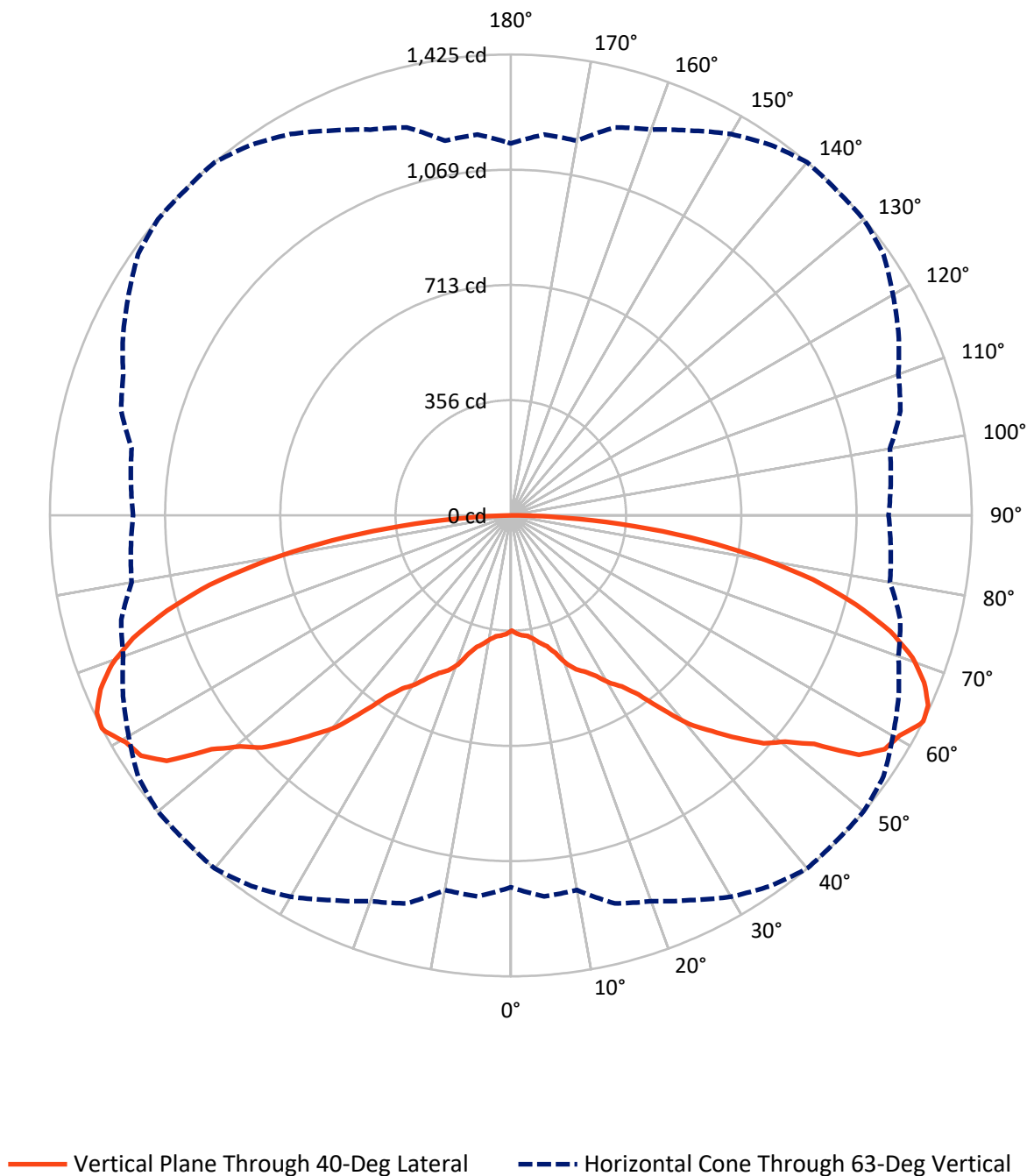


Based on 10 foot mounting height. Maximum calculated value = 4 fc
Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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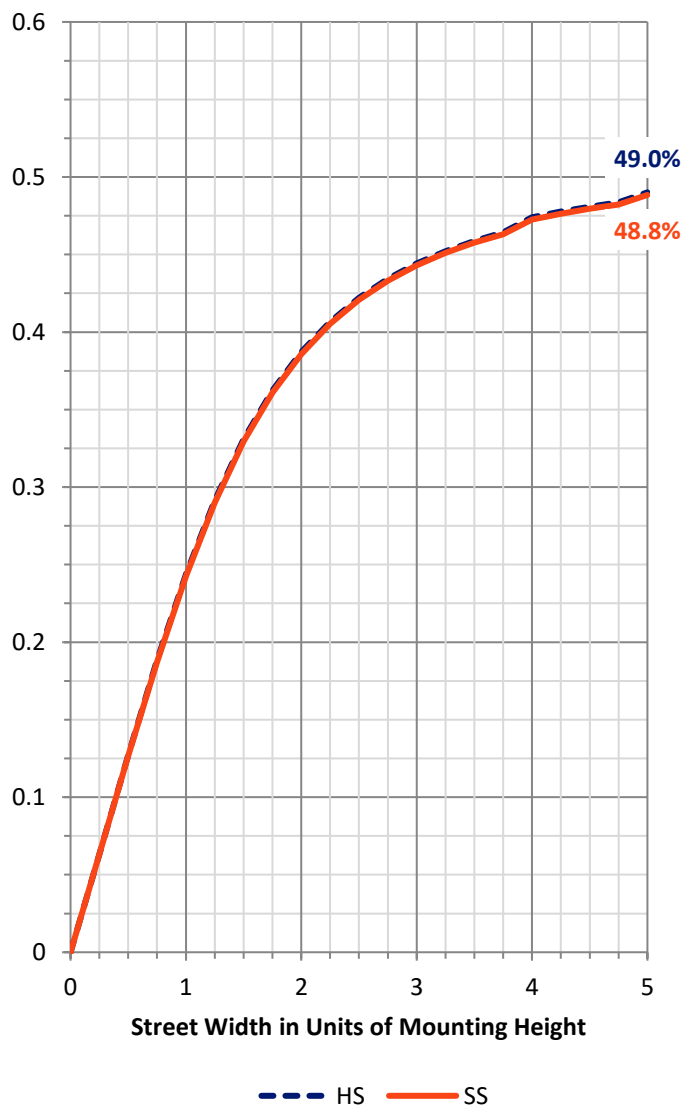
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2616.9	0.0	2616.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2616.9	0.0	2616.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	5233.8	0.0	5233.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.9	0.7
10°-20°	122.3	2.3
20°-30°	248.6	4.7
30°-40°	428.4	8.2
40°-50°	721.7	13.8
50°-60°	1062.7	20.3
60°-70°	1263.8	24.1
70°-80°	1023.1	19.5
80°-90°	327.3	6.3
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°	5233.8	100.0
0°-180°	5233.8	100.0

Coefficient of Utilization



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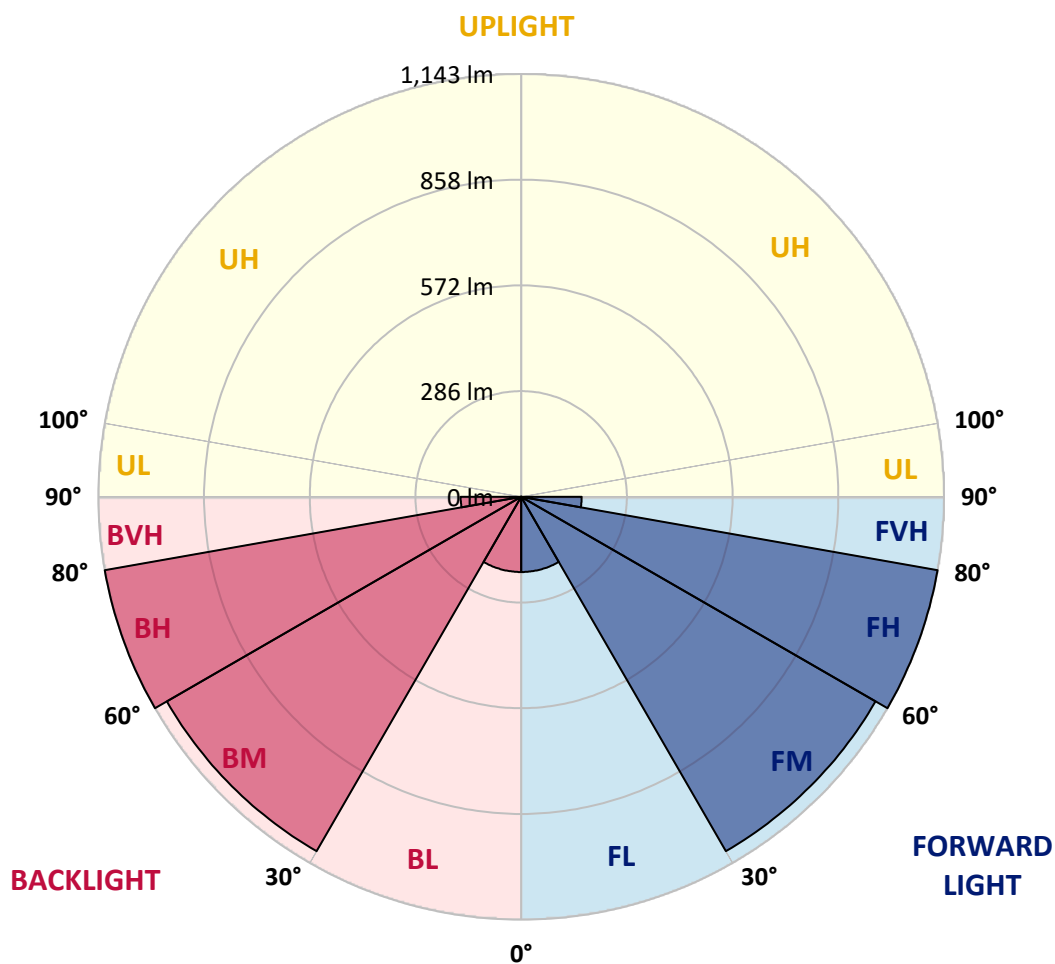
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	203.4	3.9			
FM	(30°-60°)	1106.4	21.1			
FH	(60°-80°)	1143.4	21.8			G1/1800
FVH	(80°-90°)	163.7	3.1			G2/225
BL	(0°-30°)	203.4	3.9	B1/500		
BM	(30°-60°)	1106.4	21.1	B2/2500		
BH	(60°-80°)	1143.4	21.8	B3/2500		G1/1800
BVH	(80°-90°)	163.7	3.1			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°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	356.3	356.3	356.3	356.3	356.3	356.3	356.3	356.3	356.3	356.3	356.3
2.5°	367.5	367.5	367.5	367.5	367.5	367.5	366.5	367.5	366.5	366.5	366.5
5°	374.5	374.5	374.5	374.5	373.6	373.6	372.6	372.6	372.6	371.5	372.6
7.5°	377.6	377.6	377.6	377.6	376.6	376.6	376.6	376.6	376.6	376.6	376.6
10°	384.7	384.7	385.7	386.7	388.7	388.7	388.7	389.8	388.7	388.7	388.7
12.5°	399.9	398.9	400.9	402.9	405.0	405.9	405.9	405.9	405.0	405.0	405.9
15°	421.1	419.2	420.1	421.1	422.2	423.2	423.2	422.2	420.1	420.1	420.1
17.5°	448.5	445.5	444.4	443.4	443.4	445.5	447.4	446.5	447.4	446.5	447.4
20°	480.9	478.8	478.8	478.8	479.8	483.9	487.9	490.0	488.9	487.0	490.0
22.5°	502.1	503.1	508.2	507.2	506.1	510.2	515.2	519.3	517.3	514.3	516.3
25°	525.4	525.4	532.5	535.5	532.5	532.5	534.5	537.5	535.5	533.5	535.5
27.5°	551.7	551.7	554.8	557.8	555.7	555.7	558.8	563.9	562.9	561.8	562.9
30°	583.1	579.0	576.0	581.1	586.2	587.2	590.2	598.3	600.4	599.3	601.3
32.5°	612.5	606.4	608.4	611.4	622.6	626.7	625.6	631.7	630.7	627.7	631.7
35°	640.9	647.9	651.9	658.0	662.1	667.2	667.2	678.2	680.3	677.3	680.3
37.5°	695.5	698.5	709.7	710.6	715.7	735.0	736.9	752.2	760.2	756.2	757.2
40°	770.4	769.4	777.5	789.6	799.8	824.0	831.2	841.2	848.4	845.4	849.4
42.5°	831.2	823.1	829.1	855.4	866.6	884.8	893.9	899.0	912.1	908.1	913.2
45°	874.7	877.7	885.8	912.1	919.2	934.4	955.6	964.7	981.9	977.0	980.0
47.5°	917.2	931.4	938.4	950.6	972.8	993.1	1019.4	1028.5	1052.9	1050.8	1047.8
50°	972.8	984.0	992.1	1001.2	1031.6	1065.0	1087.2	1091.3	1099.5	1093.4	1103.5
52.5°	1032.6	1031.6	1038.7	1063.9	1106.5	1119.7	1138.9	1157.1	1174.3	1180.4	1174.3
55°	1111.6	1086.2	1115.6	1152.1	1170.3	1201.7	1248.3	1273.5	1307.0	1312.0	1301.9
57.5°	1144.0	1144.0	1174.3	1195.6	1229.0	1284.7	1334.3	1346.4	1363.6	1354.5	1364.6
60°	1139.9	1178.4	1178.4	1215.8	1270.5	1320.1	1338.3	1358.5	1381.8	1380.9	1380.9
62.5°	1145.0	1182.4	1172.3	1237.1	1270.5	1311.0	1351.5	1389.0	1421.4	1420.4	1419.3
63°	1150.0	1182.4	1176.4	1242.1	1269.5	1313.0	1361.6	1399.0	1425.4	1423.4	1424.4
65°	1165.2	1156.1	1192.5	1234.1	1265.4	1330.3	1370.8	1400.1	1418.3	1417.2	1417.2
67.5°	1136.8	1115.6	1167.3	1183.4	1243.2	1300.9	1332.2	1365.7	1378.8	1378.8	1376.8
70°	1049.9	1058.9	1094.4	1120.7	1181.4	1233.0	1259.3	1301.9	1318.0	1318.0	1317.1
72.5°	961.7	977.0	1001.2	1038.7	1096.4	1136.8	1168.2	1206.7	1228.0	1226.9	1226.9
75°	849.4	863.6	891.8	927.4	977.9	1017.5	1042.7	1079.2	1103.5	1112.6	1102.5
77.5°	722.9	726.9	753.2	789.6	834.2	861.5	900.0	935.4	955.6	954.6	951.6
80°	569.0	574.0	596.3	637.7	662.1	694.5	729.9	749.2	766.4	766.4	764.3
82.5°	392.8	403.9	426.2	453.5	478.8	507.2	526.4	545.7	559.9	558.8	555.7
85°	221.7	226.8	248.0	265.3	284.4	302.7	315.8	328.0	340.2	340.2	338.1
87.5°	66.8	59.7	71.9	79.0	89.1	98.2	104.3	116.4	124.6	115.5	115.5
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):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	356.3	356.3	356.3	356.3	356.3	356.3	356.3	356.3
2.5°	367.5	367.5	367.5	367.5	367.5	367.5	367.5	367.5
5°	372.6	373.6	373.6	374.5	374.5	374.5	374.5	374.5
7.5°	376.6	376.6	376.6	376.6	377.6	377.6	377.6	377.6
10°	388.7	389.8	388.7	388.7	386.7	385.7	385.7	385.7
12.5°	405.9	406.9	406.9	405.0	402.9	400.9	399.9	398.9
15°	422.2	425.2	423.2	422.2	420.1	421.1	421.1	422.2
17.5°	447.4	448.5	445.5	443.4	442.4	444.4	446.5	447.4
20°	491.0	488.9	482.9	480.9	478.8	478.8	480.9	480.9
22.5°	518.4	513.3	509.2	507.2	507.2	507.2	504.2	500.1
25°	537.5	534.5	531.5	533.5	535.5	532.5	525.4	524.4
27.5°	563.9	557.8	556.8	555.7	556.8	554.8	553.8	549.7
30°	598.3	590.2	588.1	586.2	580.1	578.1	580.1	583.1
32.5°	630.7	625.6	627.7	623.6	612.5	608.4	610.4	609.5
35°	677.3	668.2	668.2	660.0	657.0	656.0	647.9	640.9
37.5°	751.1	739.0	736.0	717.8	709.7	711.7	700.6	692.4
40°	841.2	832.2	824.0	803.8	792.7	778.5	771.4	771.4
42.5°	901.0	895.0	883.8	869.6	857.5	833.1	824.0	829.1
45°	966.8	958.7	935.4	921.3	910.1	892.9	882.7	872.7
47.5°	1033.6	1022.5	995.2	977.0	950.6	945.5	934.4	920.2
50°	1092.3	1088.3	1069.0	1038.7	1005.2	997.2	987.0	973.9
52.5°	1164.2	1139.9	1123.7	1110.5	1073.1	1046.8	1032.6	1038.7
55°	1281.6	1251.3	1209.7	1168.2	1160.1	1128.8	1093.4	1112.6
57.5°	1349.4	1332.2	1300.9	1235.1	1202.7	1181.4	1158.2	1140.9
60°	1365.7	1334.3	1327.2	1277.6	1226.0	1181.4	1190.5	1150.0
62.5°	1397.1	1354.5	1315.0	1275.6	1244.2	1183.4	1181.4	1160.1
63°	1407.2	1364.6	1323.1	1275.6	1247.2	1190.5	1179.4	1168.2
65°	1405.1	1368.7	1337.3	1275.6	1233.0	1210.8	1156.1	1181.4
67.5°	1366.7	1336.3	1299.8	1257.4	1186.4	1169.3	1130.8	1135.9
70°	1304.9	1265.4	1231.1	1191.5	1134.9	1095.3	1072.1	1052.9
72.5°	1208.7	1173.3	1136.8	1100.4	1049.9	1002.2	986.1	964.7
75°	1081.2	1046.8	1013.4	978.9	931.4	888.8	871.7	856.4
77.5°	935.4	906.0	858.5	826.1	798.8	753.2	736.9	720.8
80°	746.1	732.0	697.5	655.0	640.9	596.3	584.1	562.9
82.5°	542.6	528.4	501.1	471.8	454.6	431.3	411.0	396.8
85°	331.0	315.8	301.6	275.3	265.3	248.0	231.8	223.8
87.5°	119.5	107.3	96.2	84.0	78.0	65.8	63.8	57.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)