

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: P197783

Luminaire Tested: **TT-C3-LED-E1-WQ-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197783
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-7050
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
WIDE DISTRIBUTION
Light Source: (168) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5477.6 lumens
Efficiency: N/A
Efficacy: 121.7 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



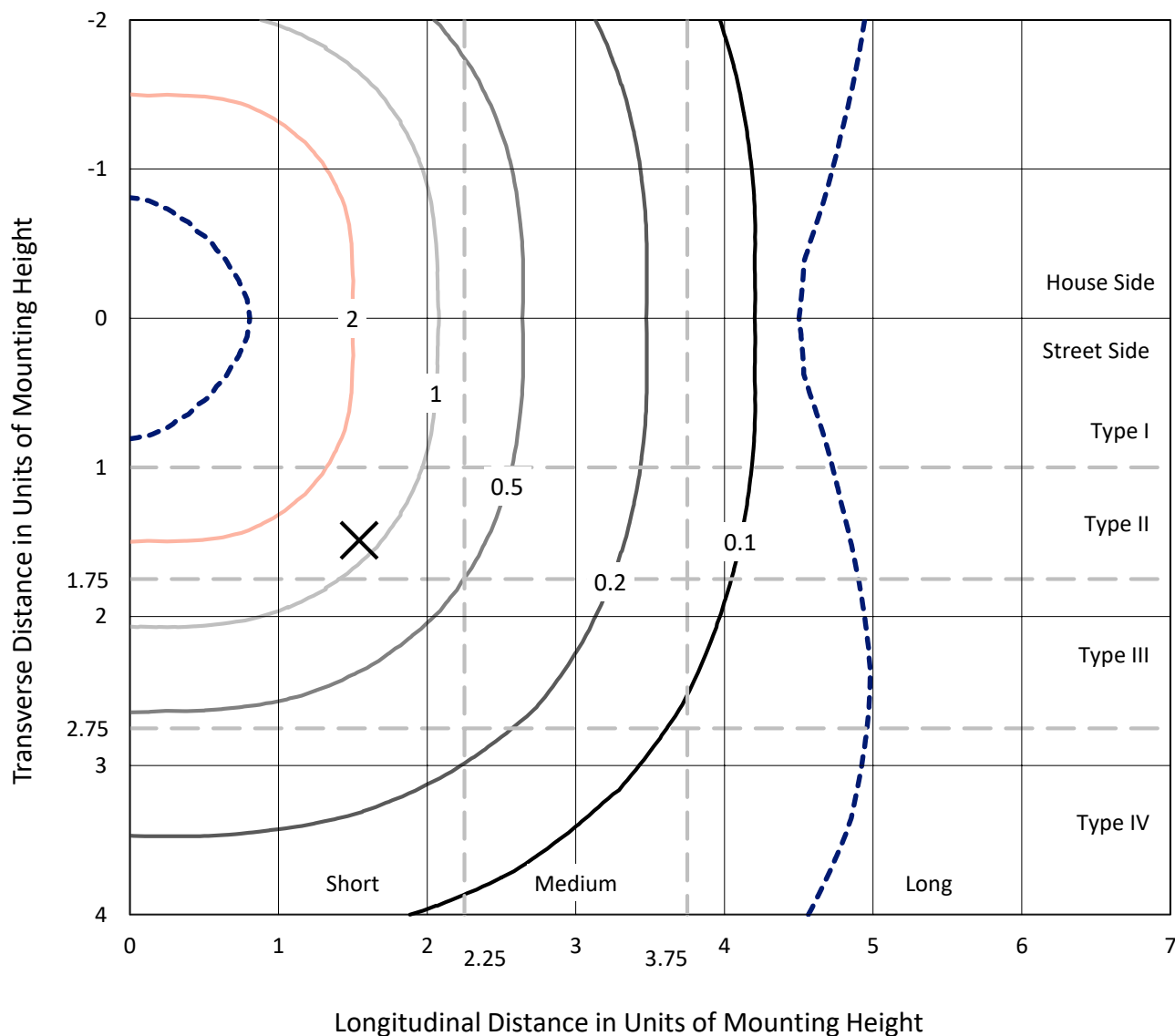
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

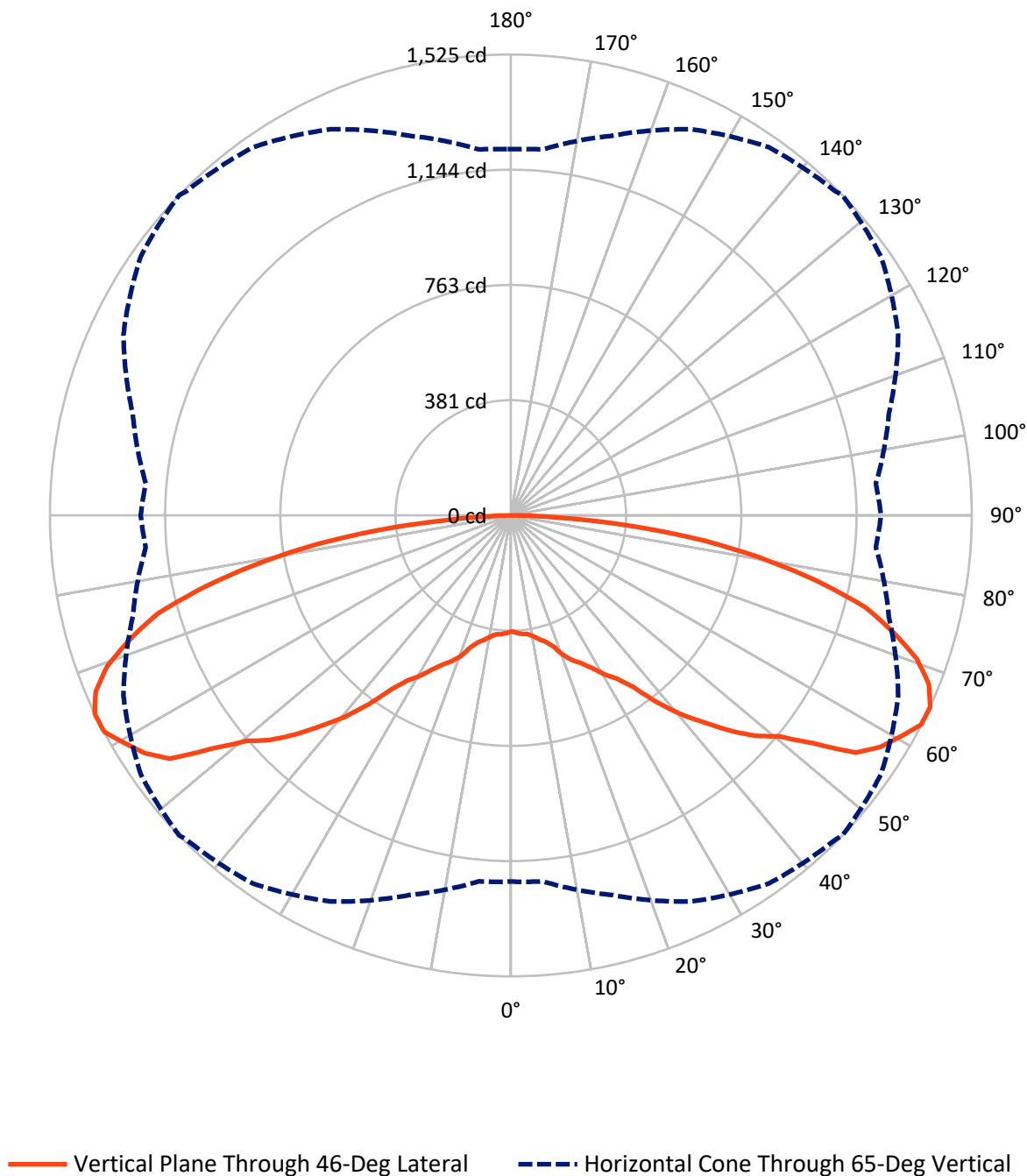


Based on 10 foot mounting height. Maximum calculated value = 4.1 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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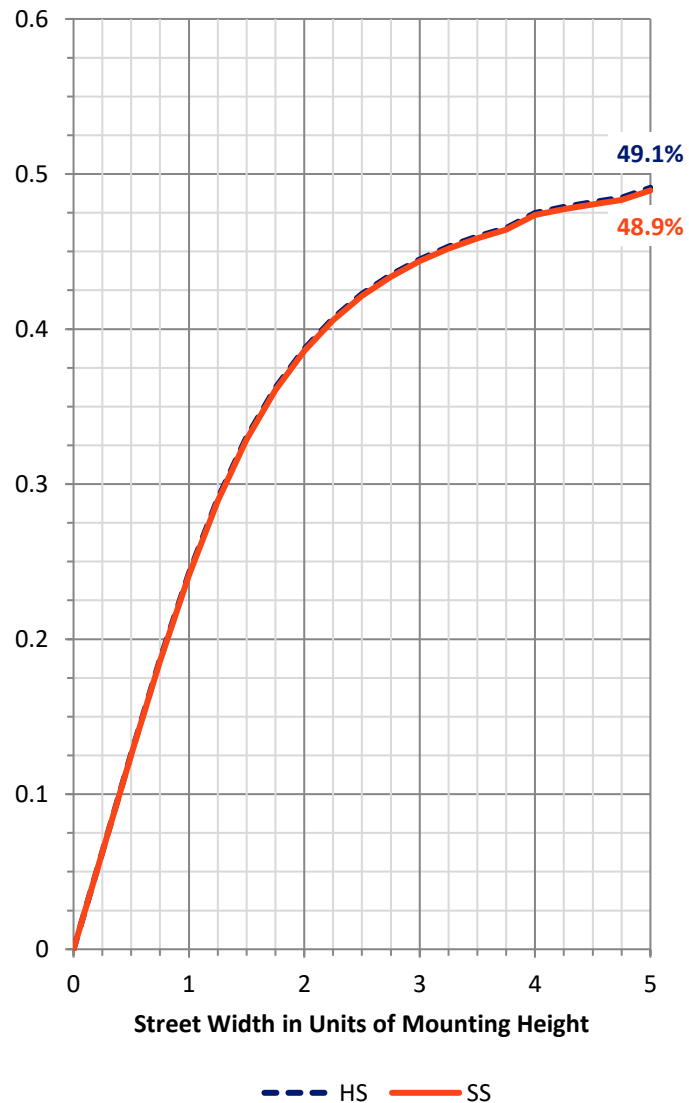
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2738.8	0.0	2738.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2738.8	0.0	2738.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	5477.6	0.0	5477.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.0	0.7
10°-20°	126.5	2.3
20°-30°	254.5	4.6
30°-40°	443.1	8.1
40°-50°	749.4	13.7
50°-60°	1117.1	20.4
60°-70°	1336.9	24.4
70°-80°	1082.4	19.8
80°-90°	329.8	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°	5477.6	100.0
0°-180°	5477.6	100.0

Coefficient of Utilization



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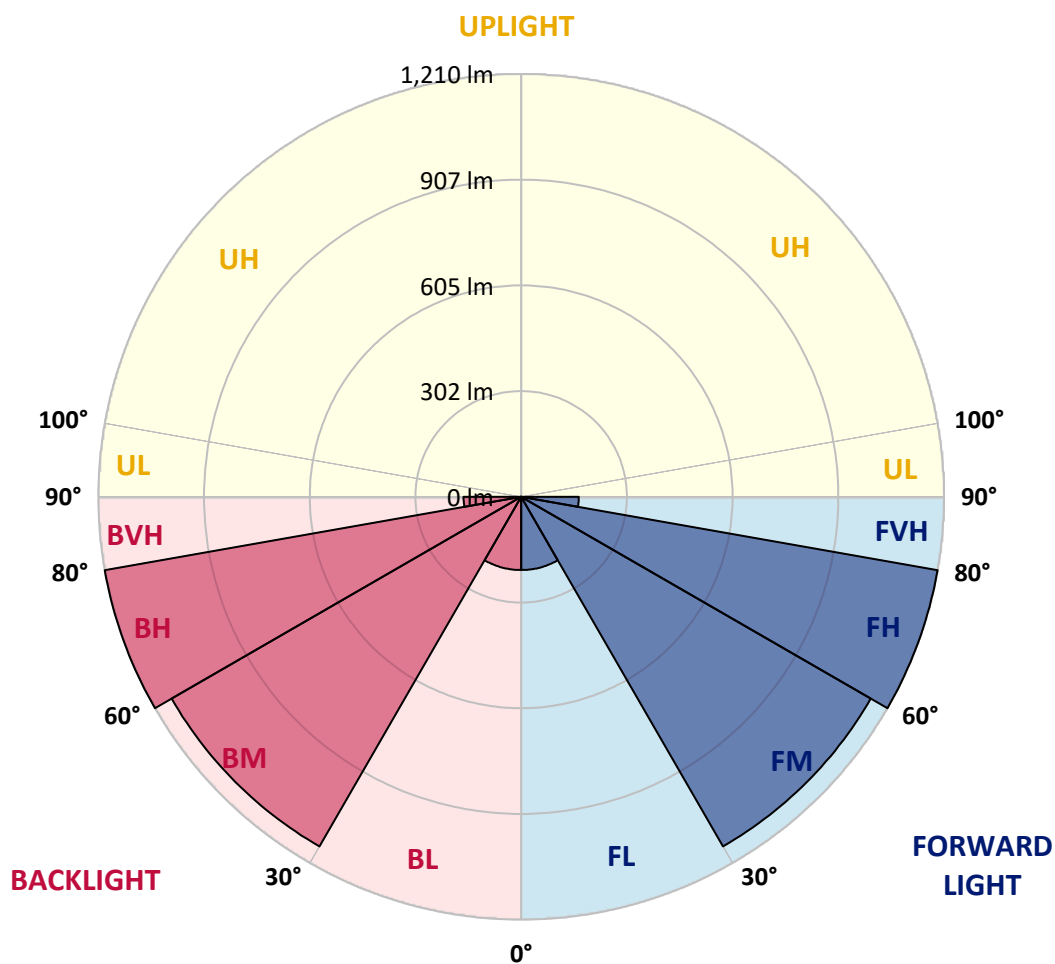
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	209.5	3.8			
FM	(30°-60°)	1154.8	21.1			
FH	(60°-80°)	1209.6	22.1			G1/1800
FVH	(80°-90°)	164.9	3.0			G2/225
BL	(0°-30°)	209.5	3.8	B1/500		
BM	(30°-60°)	1154.8	21.1	B2/2500		
BH	(60°-80°)	1209.6	22.1	B3/2500		G1/1800
BVH	(80°-90°)	164.9	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°	383.7	383.7	383.7	383.7	383.7	383.7	383.7	383.7	383.7	383.7	383.7
2.5°	390.3	389.4	389.4	389.4	389.4	389.4	389.4	389.4	389.4	389.4	390.3
5°	396.9	396.9	396.0	395.0	395.0	394.1	394.1	394.1	395.0	396.0	396.0
7.5°	399.8	398.8	398.8	397.9	396.9	396.9	396.0	396.9	397.9	398.8	398.8
10°	405.5	406.4	407.4	408.3	409.3	408.3	406.4	408.3	408.3	407.4	405.5
12.5°	418.7	418.7	421.6	424.4	424.4	423.5	420.6	424.4	423.5	420.6	418.7
15°	436.7	437.7	437.7	440.5	438.6	436.7	433.9	438.6	438.6	436.7	435.8
17.5°	462.3	460.4	457.6	459.5	461.4	461.4	455.7	461.4	457.6	455.7	458.5
20°	490.7	489.8	488.8	490.7	498.3	495.5	492.6	496.4	491.7	485.0	486.9
22.5°	512.5	514.4	517.3	520.1	527.7	525.8	520.1	526.7	519.2	517.3	511.6
25°	540.0	539.0	546.6	546.6	551.4	548.5	541.9	551.4	543.8	546.6	538.1
27.5°	567.5	566.5	572.2	572.2	580.7	579.8	571.3	580.7	572.2	570.3	567.5
30°	598.7	596.8	597.8	605.4	617.7	617.7	610.1	614.8	605.4	595.9	594.9
32.5°	631.9	628.1	633.8	646.1	652.7	650.8	643.3	650.8	648.0	631.9	628.1
35°	664.1	668.8	679.3	689.7	702.0	703.9	697.3	701.0	690.6	678.3	668.8
37.5°	718.1	725.7	738.9	763.6	782.5	788.2	782.5	780.6	765.5	738.0	724.7
40°	793.9	795.8	813.8	850.7	870.6	874.4	864.0	866.8	848.8	818.5	790.1
42.5°	855.5	852.6	884.8	918.0	938.8	947.4	936.0	939.8	915.2	885.8	854.5
45°	905.7	908.5	941.7	974.8	1008.0	1024.1	1015.6	1008.9	972.9	939.8	912.3
47.5°	952.1	965.4	988.1	1036.4	1078.1	1096.1	1089.5	1080.0	1042.1	987.2	966.3
50°	1010.8	1019.4	1046.8	1109.4	1148.2	1154.8	1149.1	1149.1	1113.1	1049.7	1021.3
52.5°	1074.3	1075.3	1116.0	1180.4	1229.7	1256.2	1251.5	1238.2	1181.4	1125.5	1079.0
55°	1150.1	1139.7	1203.1	1270.4	1344.3	1387.9	1386.0	1357.6	1279.9	1206.0	1144.4
57.5°	1192.7	1194.6	1252.4	1353.8	1424.8	1437.1	1443.8	1426.7	1368.0	1254.3	1206.0
60°	1202.2	1224.9	1278.0	1389.8	1445.7	1481.7	1483.6	1455.1	1393.6	1285.6	1234.4
62.5°	1206.0	1233.5	1298.8	1387.9	1482.6	1517.7	1524.3	1494.9	1395.5	1301.7	1226.8
65°	1211.7	1215.5	1300.7	1409.7	1487.4	1517.7	1525.3	1494.9	1414.4	1295.0	1212.6
67.5°	1188.0	1178.5	1253.4	1371.8	1447.6	1483.6	1492.1	1456.1	1374.6	1255.3	1190.8
70°	1102.7	1106.5	1189.9	1302.6	1386.0	1420.1	1425.8	1386.9	1301.7	1198.4	1123.6
72.5°	1012.7	1022.2	1092.3	1206.0	1280.8	1314.0	1324.4	1283.7	1211.7	1105.6	1027.9
75°	887.7	905.7	972.9	1075.3	1150.1	1200.3	1210.7	1157.7	1071.5	979.6	904.7
77.5°	749.4	761.7	826.1	914.2	994.7	1020.3	1029.8	1004.2	918.9	837.5	767.4
80°	589.3	594.0	659.4	729.5	792.0	812.8	827.0	794.8	737.0	663.2	594.9
82.5°	404.5	411.2	457.6	522.0	576.9	585.5	603.5	576.9	522.9	466.1	414.9
85°	210.3	219.8	255.8	290.8	333.5	343.9	349.6	329.7	301.3	254.8	220.7
87.5°	45.5	50.2	55.9	72.0	86.2	98.5	107.1	89.1	71.1	59.7	45.5
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):

	90°
0°	383.7
2.5°	389.4
5°	396.0
7.5°	398.8
10°	405.5
12.5°	417.8
15°	436.7
17.5°	460.4
20°	486.0
22.5°	508.7
25°	536.2
27.5°	567.5
30°	599.7
32.5°	626.2
35°	663.2
37.5°	723.8
40°	796.7
42.5°	855.5
45°	903.8
47.5°	957.8
50°	1011.8
52.5°	1080.9
55°	1149.1
57.5°	1184.2
60°	1206.0
62.5°	1223.0
65°	1224.9
67.5°	1175.7
70°	1100.8
72.5°	1015.6
75°	890.5
77.5°	758.8
80°	589.3
82.5°	414.0
85°	216.9
87.5°	42.6
90°	0.0

(END OF REPORT)