

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: P198143

Luminaire Tested: **TT-C3-LED-E1-RW-SG-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198143
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34699)
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-RW-SG-7050
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH SOFTENING GLASS LENS
Light Source: (168) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4554 lumens
Efficiency: N/A
Efficacy: 101.2 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type III - Short - Full Cutoff
BUG Rating: B2 - 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



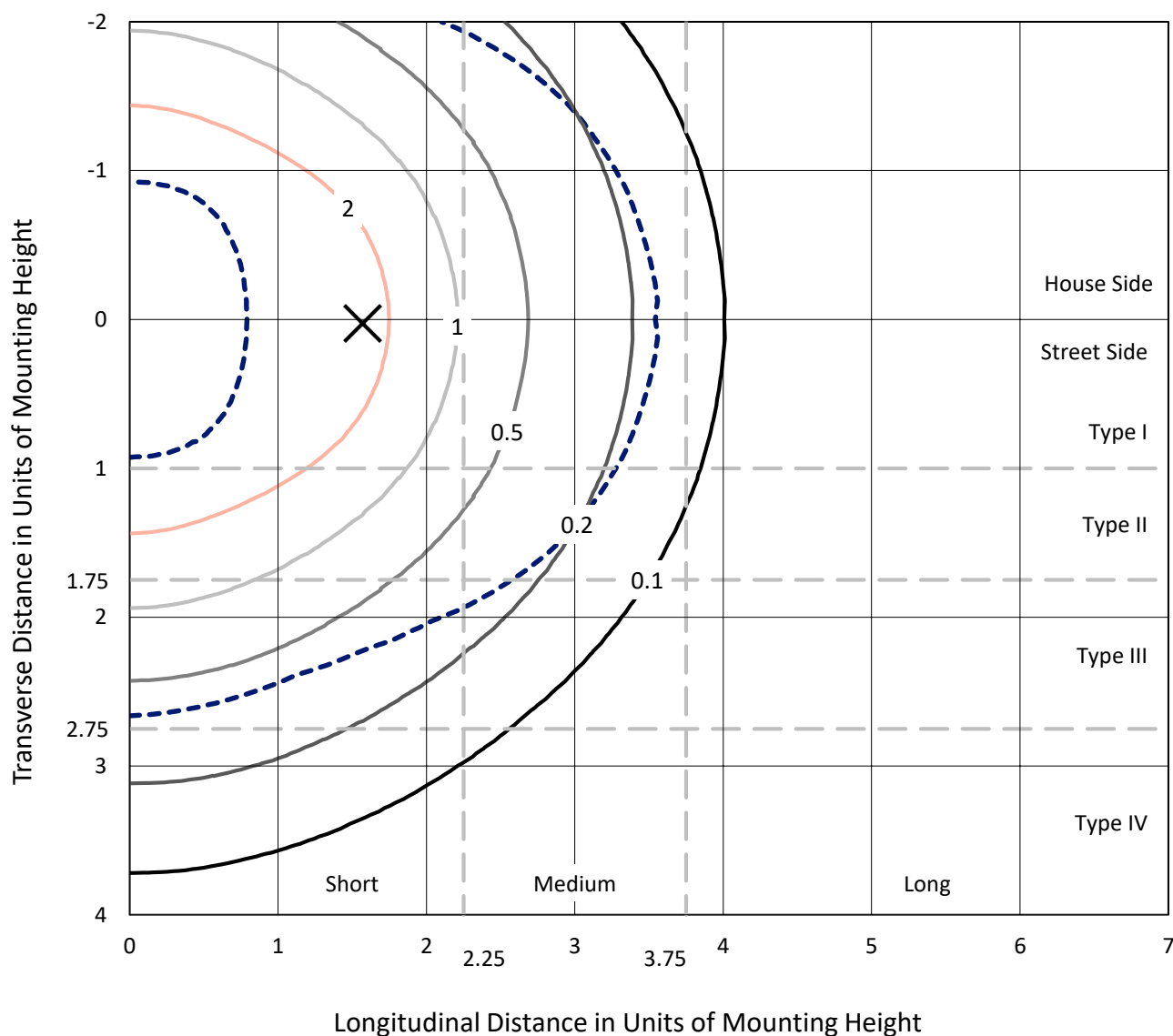
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

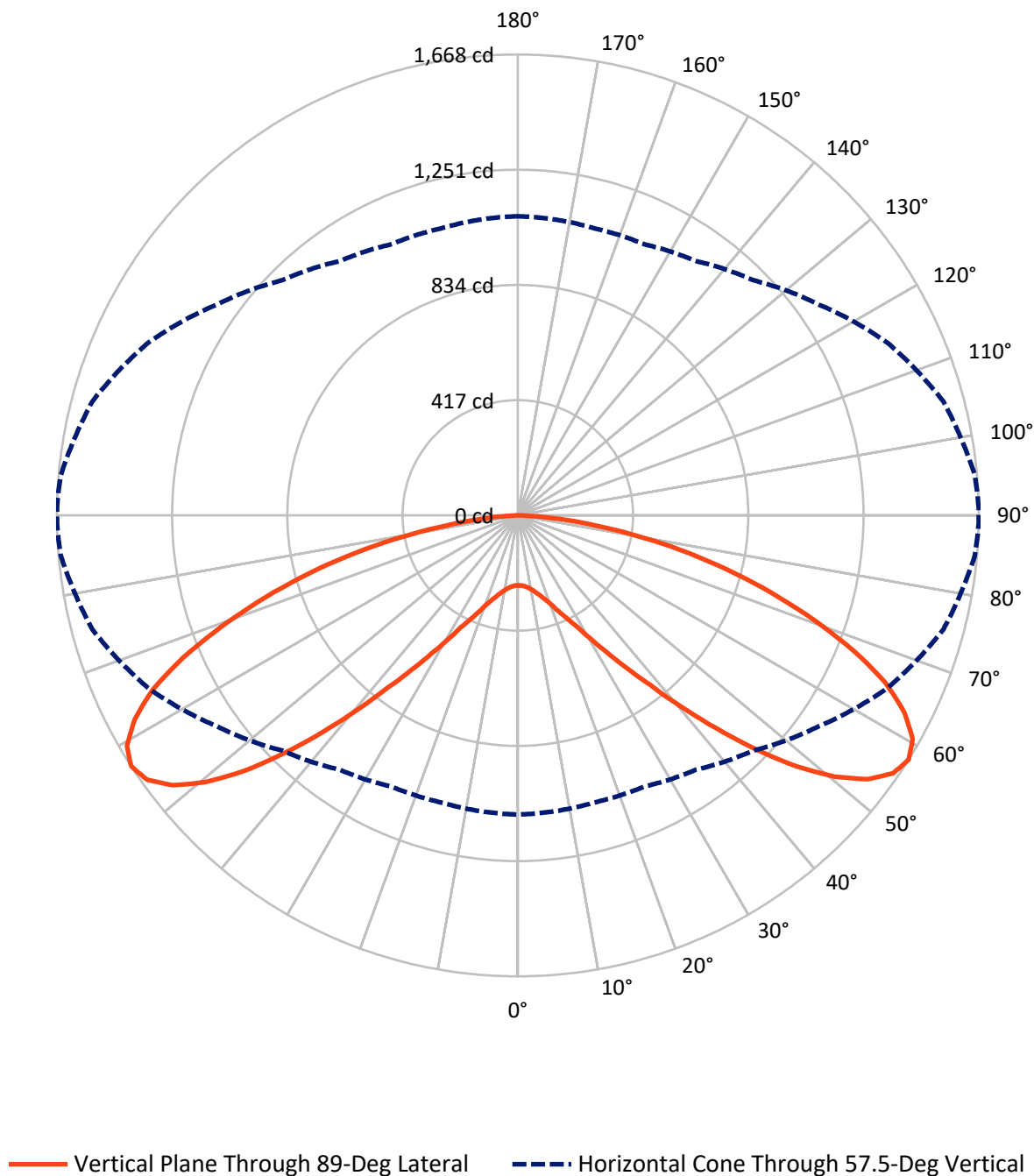


Based on 10 foot mounting height. Maximum calculated value = 4.3 fc
 Type III - Short - Full Cutoff

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Luminous Intensity Polar Plot



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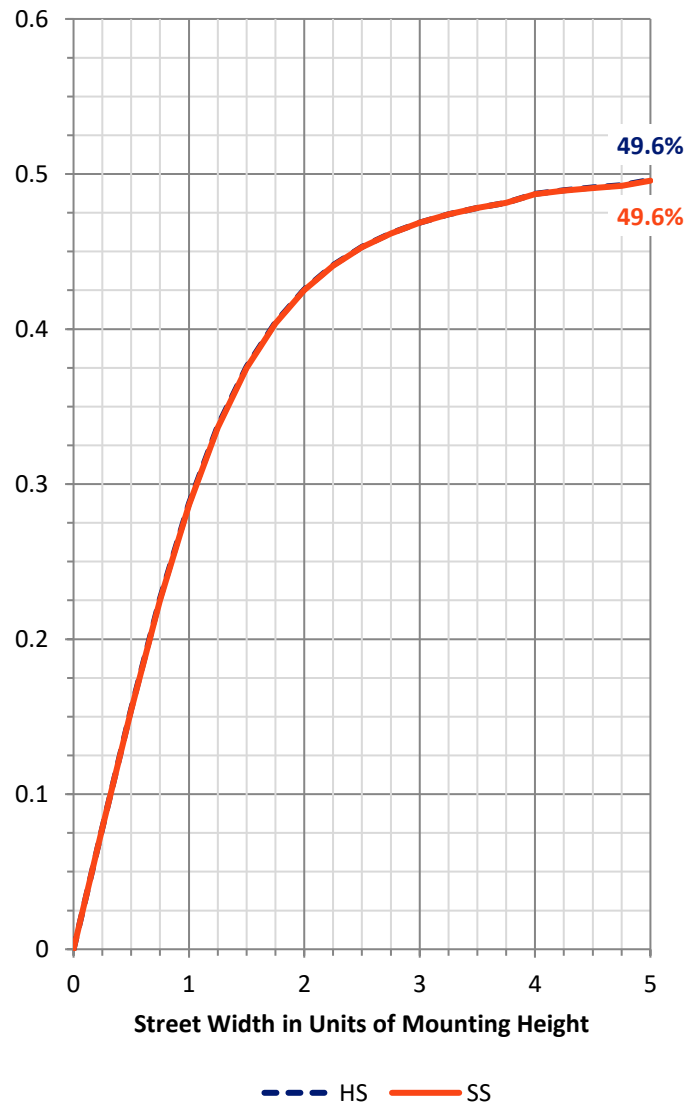
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2277.0	0.0	2277.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2277.0	0.0	2277.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4554.0	0.0	4554.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.1	0.6
10°-20°	87.7	1.9
20°-30°	196.4	4.3
30°-40°	406.5	8.9
40°-50°	771.6	16.9
50°-60°	1129.1	24.8
60°-70°	1125.7	24.7
70°-80°	670.0	14.7
80°-90°	141.7	3.1
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°	4554.0	100.0
0°-180°	4554.0	100.0

Coefficient of Utilization



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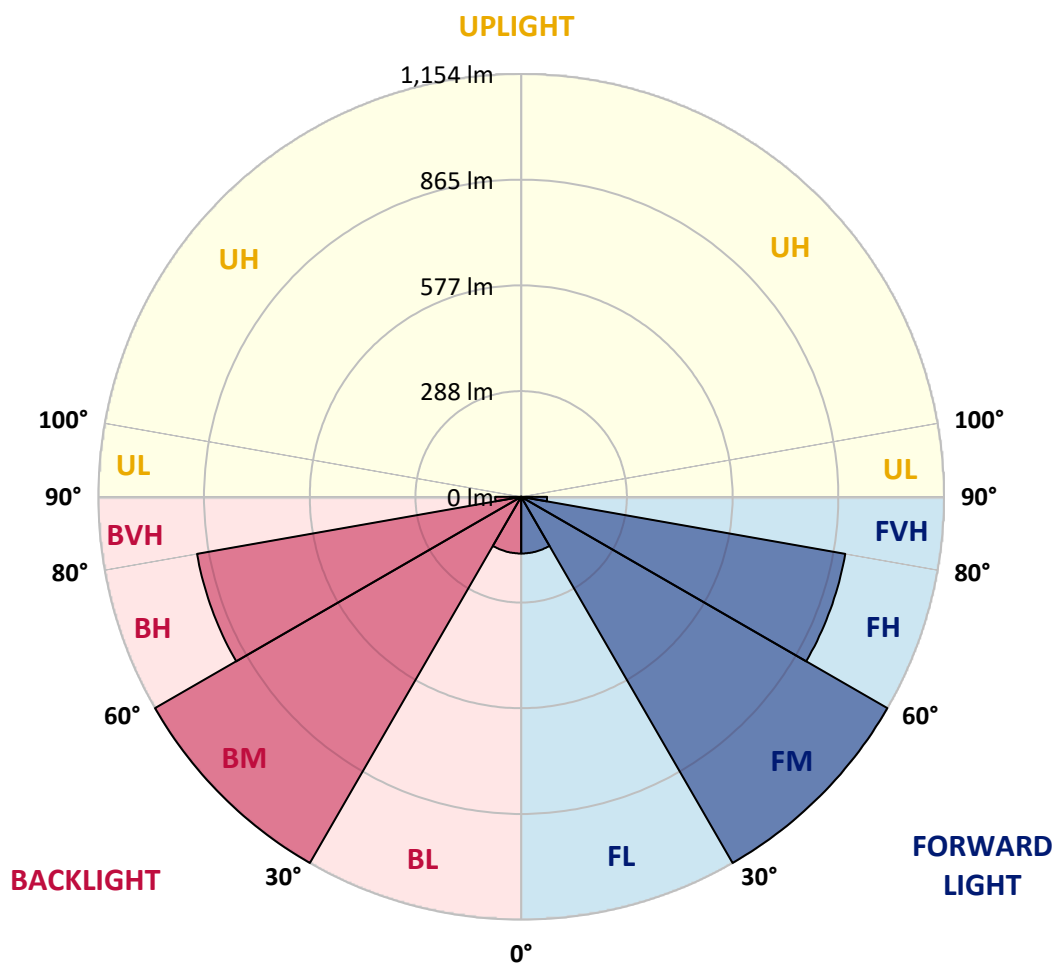
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	154.6	3.4			
FM	(30°-60°)	1153.6	25.3			
FH	(60°-80°)	897.9	19.7			G1/1800
FVH	(80°-90°)	70.9	1.6			G1/100
BL	(0°-30°)	154.6	3.4	B1/500		
BM	(30°-60°)	1153.6	25.3	B2/2500		
BH	(60°-80°)	897.9	19.7	B2/1000		G2/1000
BVH	(80°-90°)	70.9	1.6			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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	252.9	252.9	252.9	252.9	252.9	252.9	252.9	252.9	252.9	252.9	252.9
2.5°	254.8	254.8	254.8	254.8	253.9	253.9	253.9	253.9	253.9	253.9	253.9
5°	258.6	258.6	257.7	258.6	257.7	257.7	257.7	257.7	257.7	257.7	257.7
7.5°	264.3	264.3	264.3	264.3	264.3	264.3	263.4	264.3	263.4	263.4	263.4
10°	274.7	273.8	274.7	273.8	273.8	272.8	272.8	272.8	272.8	272.8	272.8
12.5°	288.0	288.0	288.0	287.1	286.1	286.1	285.2	285.2	285.2	284.2	285.2
15°	306.0	306.9	304.1	303.2	303.2	301.3	300.3	301.3	300.3	299.4	300.3
17.5°	327.8	328.7	326.8	324.9	323.1	322.1	321.2	320.2	320.2	320.2	319.3
20°	356.2	356.2	354.3	350.5	347.7	345.8	345.8	344.8	344.8	345.8	342.9
22.5°	388.4	387.5	385.6	383.7	379.9	376.1	374.2	373.3	373.3	375.2	376.1
25°	428.2	429.2	423.5	419.7	415.9	409.3	408.3	409.3	410.2	410.2	412.1
27.5°	468.9	470.8	466.1	460.4	454.7	451.9	450.0	451.9	453.8	456.6	455.7
30°	517.3	516.3	515.4	506.8	500.2	497.4	499.3	504.9	509.7	516.3	517.3
32.5°	569.4	571.3	564.6	558.0	555.2	552.3	555.2	567.5	580.7	584.5	589.3
35°	630.9	627.2	623.4	618.6	613.9	613.9	628.1	642.3	663.2	677.4	677.4
37.5°	693.5	690.6	684.0	677.4	677.4	686.8	701.0	736.1	766.4	787.3	778.7
40°	757.9	754.1	752.2	744.6	745.6	768.3	798.6	842.2	885.8	915.2	909.5
42.5°	823.3	824.2	817.6	814.7	823.3	848.8	901.9	960.6	1015.6	1052.5	1053.5
45°	890.5	890.5	885.8	883.9	900.0	938.8	1005.2	1085.7	1159.6	1202.2	1206.9
47.5°	952.1	951.2	947.4	946.4	973.9	1020.3	1103.7	1206.9	1297.9	1345.3	1357.6
50°	1005.2	1006.1	1000.4	1005.2	1029.8	1091.4	1191.8	1316.8	1421.0	1480.7	1486.4
52.5°	1046.8	1047.8	1041.2	1044.9	1078.1	1149.1	1260.9	1401.1	1514.8	1578.3	1585.9
55°	1075.3	1071.5	1066.7	1072.4	1110.3	1188.9	1311.1	1457.0	1575.5	1641.8	1647.5
57.5°	1082.8	1080.0	1075.3	1082.8	1123.6	1204.1	1330.1	1476.9	1594.4	1660.7	1668.3
60°	1071.5	1071.5	1065.8	1074.3	1115.0	1193.7	1316.8	1458.9	1570.7	1631.4	1641.8
62.5°	1042.1	1042.1	1035.5	1042.1	1080.9	1153.9	1271.4	1403.0	1504.4	1557.5	1569.8
65°	987.2	986.2	982.4	984.3	1016.5	1085.7	1192.7	1312.1	1400.2	1447.6	1463.7
67.5°	907.6	904.7	900.9	904.7	928.4	990.0	1088.5	1192.7	1265.7	1311.1	1314.9
70°	806.2	803.4	798.6	796.7	821.4	870.6	950.2	1042.1	1102.7	1135.9	1139.7
72.5°	685.9	689.7	685.9	680.2	696.3	739.9	806.2	876.3	926.5	956.8	961.6
75°	567.5	568.4	558.9	557.0	569.4	596.8	650.8	704.8	748.4	774.0	781.6
77.5°	439.6	439.6	431.0	426.3	432.9	456.6	493.6	537.2	573.2	589.3	602.5
80°	316.4	316.4	308.8	297.5	304.1	316.4	349.6	373.3	401.7	419.7	421.6
82.5°	198.0	195.2	197.1	188.5	190.4	194.2	215.1	231.2	248.2	257.7	258.6
85°	103.3	99.5	97.6	92.8	90.0	96.6	106.1	117.5	121.3	129.8	126.9
87.5°	32.2	30.3	29.4	29.4	26.5	28.4	29.4	31.3	36.0	36.0	37.9
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°	252.9
2.5°	253.9
5°	257.7
7.5°	263.4
10°	272.8
12.5°	284.2
15°	300.3
17.5°	320.2
20°	342.9
22.5°	373.3
25°	410.2
27.5°	453.8
30°	516.3
32.5°	586.4
35°	671.7
37.5°	788.2
40°	908.5
42.5°	1060.1
45°	1206.9
47.5°	1357.6
50°	1483.6
52.5°	1583.0
55°	1650.3
57.5°	1668.3
60°	1638.9
62.5°	1566.9
65°	1461.8
67.5°	1314.9
70°	1145.4
72.5°	958.7
75°	773.0
77.5°	598.7
80°	421.6
82.5°	266.2
85°	126.9
87.5°	40.7
90°	0.0

(END OF REPORT)