

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: P198149

Luminaire Tested: **TT-C5-LED-E1-RW-SG-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198149
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-C5-LED-E1-RW-SG-8030
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH SOFTENING GLASS LENS
Light Source: (160) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5563.1 lumens
Efficiency: N/A
Efficacy: 72.2 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type III - Short - Full Cutoff
BUG Rating: B3 - U0 - G3

Input Watts (W): 77
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



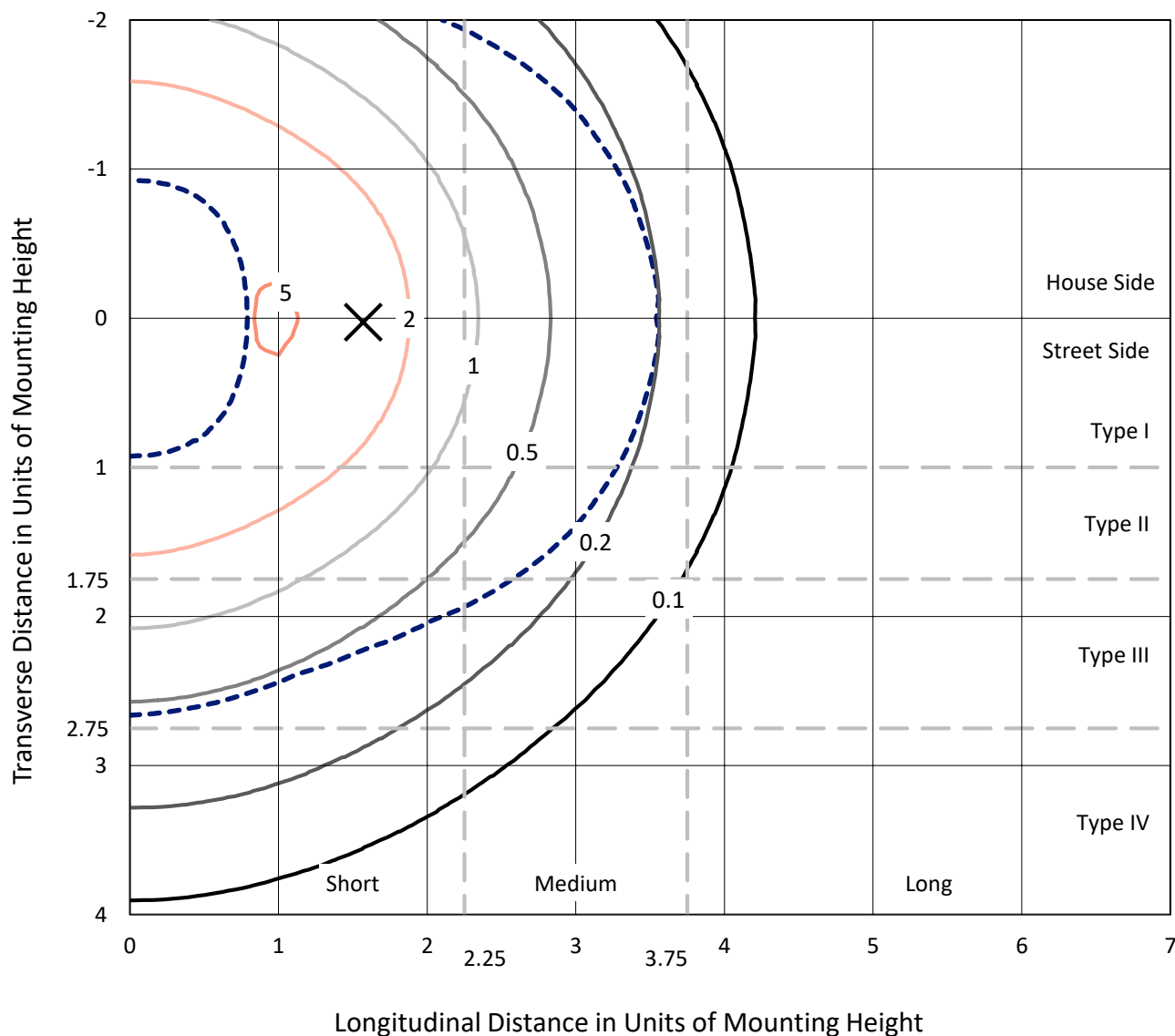
REPORT NUMBER: P198149

CATALOG NUMBER: TT-C5-LED-E1-RW-SG-8030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

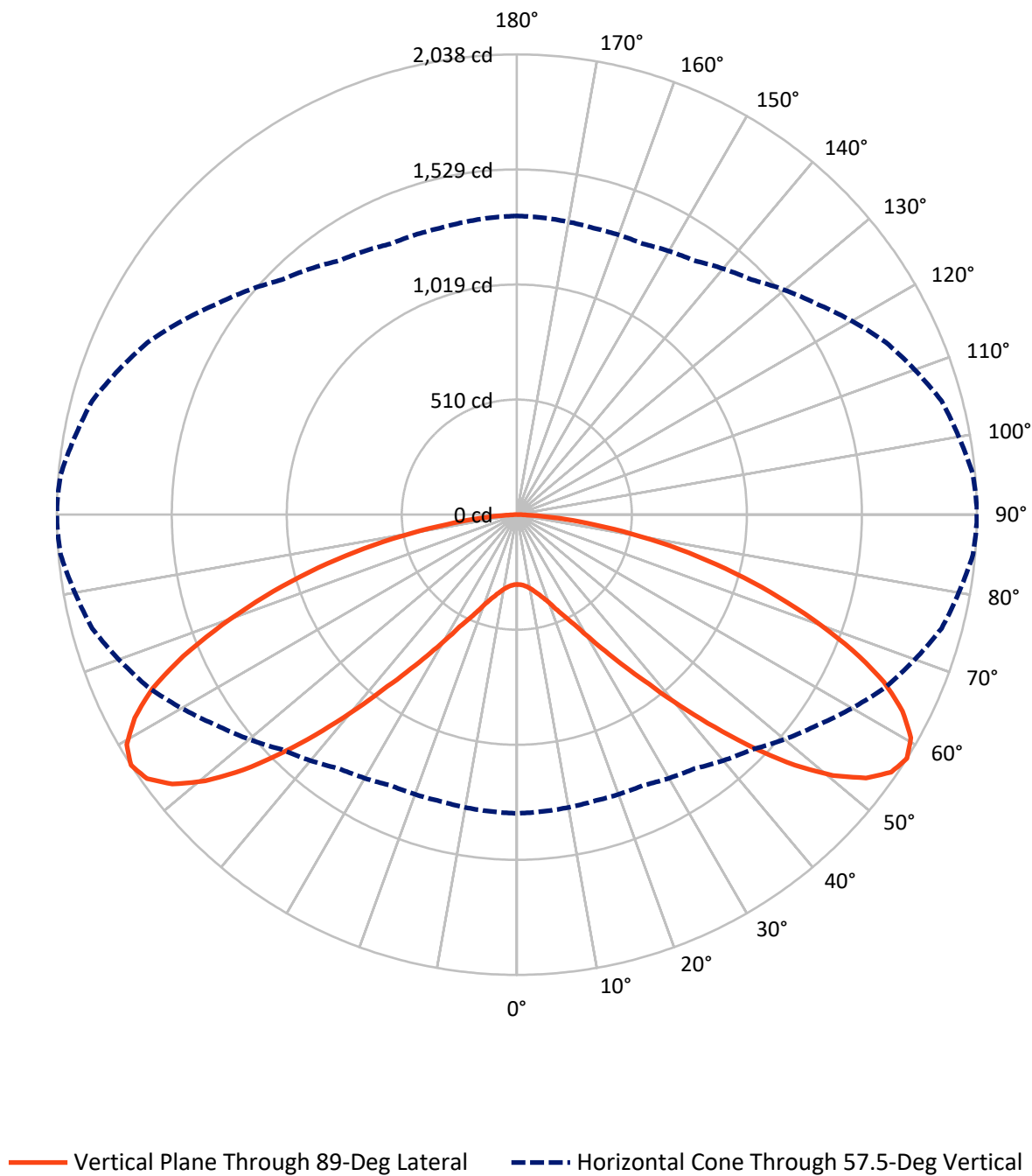


Based on 10 foot mounting height. Maximum calculated value = 5.2 fc
 Type III - Short - Full Cutoff

REPORT NUMBER: P198149

CATALOG NUMBER: TT-C5-LED-E1-RW-SG-8030

Luminous Intensity Polar Plot



REPORT NUMBER: P198149

CATALOG NUMBER: TT-C5-LED-E1-RW-SG-8030

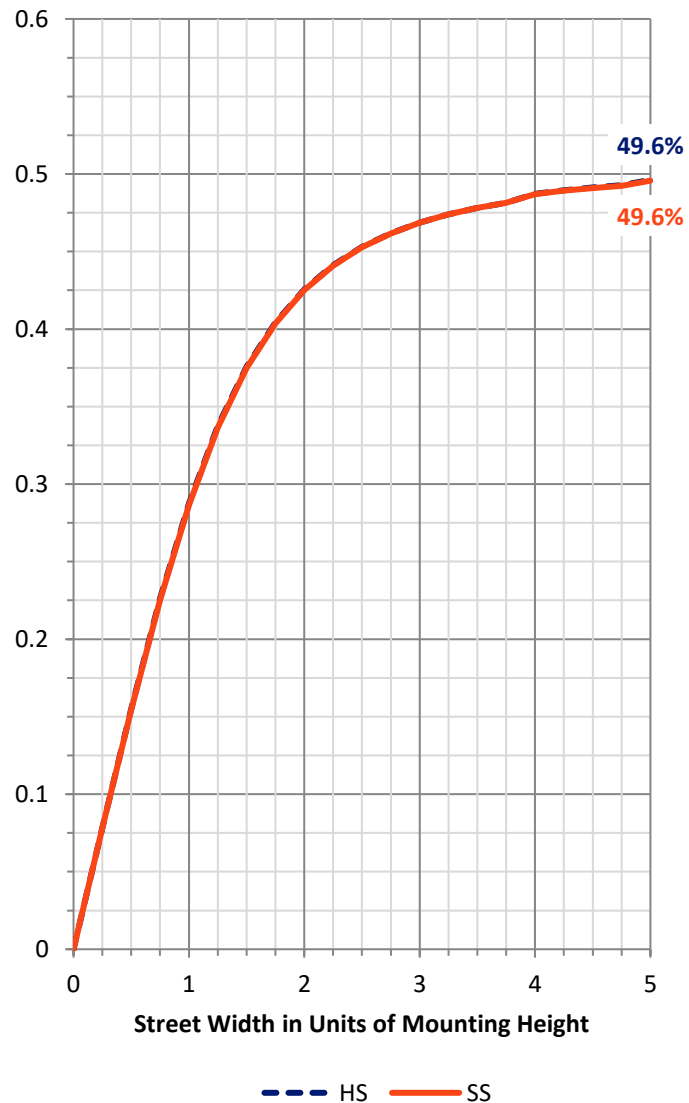
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2781.5	0.0	2781.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2781.5	0.0	2781.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	5563.1	0.0	5563.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.7	0.6
10°-20°	107.1	1.9
20°-30°	240.0	4.3
30°-40°	496.6	8.9
40°-50°	942.6	16.9
50°-60°	1379.3	24.8
60°-70°	1375.2	24.7
70°-80°	818.5	14.7
80°-90°	173.1	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°	5563.1	100.0
0°-180°	5563.1	100.0

Coefficient of Utilization



REPORT NUMBER: P198149

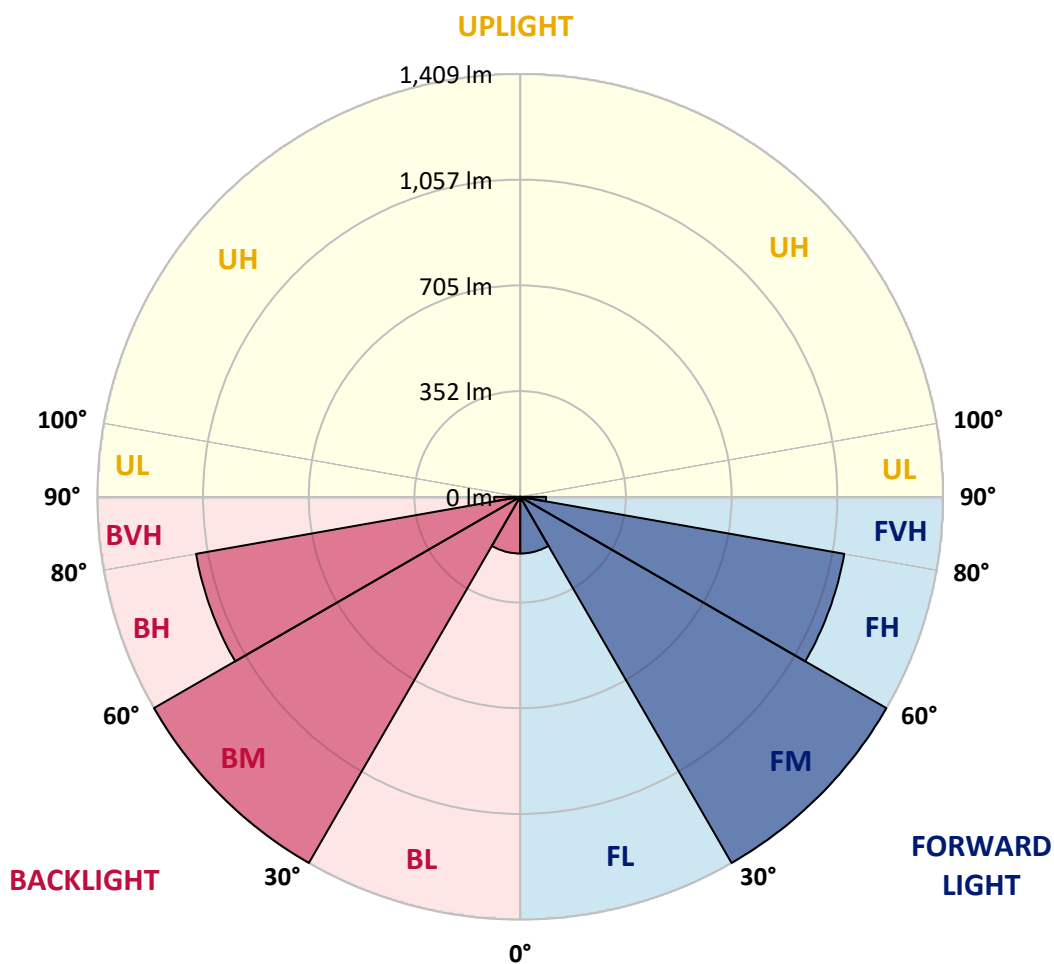
CATALOG NUMBER: TT-C5-LED-E1-RW-SG-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	188.9	3.4			
FM	(30°-60°)	1409.3	25.3			
FH	(60°-80°)	1096.8	19.7			G1/1800
FVH	(80°-90°)	86.6	1.6			G1/100
BL	(0°-30°)	188.9	3.4	B1/500		
BM	(30°-60°)	1409.3	25.3	B2/2500		
BH	(60°-80°)	1096.8	19.7	B3/2500		G3/2500
BVH	(80°-90°)	86.6	1.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Short



REPORT NUMBER: P198149

CATALOG NUMBER: TT-C5-LED-E1-RW-SG-8030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	309.0	309.0	309.0	309.0	309.0	309.0	309.0	309.0	309.0	309.0	309.0
2.5°	311.3	311.3	311.3	311.3	310.2	310.2	310.2	310.2	310.2	310.2	310.2
5°	315.9	315.9	314.8	315.9	314.8	314.8	314.8	314.8	314.8	314.8	314.8
7.5°	322.9	322.9	322.9	322.9	322.9	322.9	321.7	322.9	321.7	321.7	321.7
10°	335.6	334.5	335.6	334.5	334.5	333.3	333.3	333.3	333.3	333.3	333.3
12.5°	351.8	351.8	351.8	350.7	349.5	349.5	348.3	348.3	348.3	347.2	348.3
15°	373.8	375.0	371.5	370.3	370.3	368.0	366.9	368.0	366.9	365.7	366.9
17.5°	400.4	401.6	399.3	396.9	394.6	393.5	392.3	391.2	391.2	391.2	390.0
20°	435.1	435.1	432.8	428.2	424.7	422.4	422.4	421.3	421.3	422.4	418.9
22.5°	474.5	473.3	471.0	468.7	464.1	459.4	457.1	456.0	456.0	458.3	459.4
25°	523.1	524.2	517.3	512.7	508.0	499.9	498.8	499.9	501.1	501.1	503.4
27.5°	572.9	575.2	569.4	562.4	555.5	552.0	549.7	552.0	554.3	557.8	556.7
30°	631.9	630.7	629.6	619.1	611.0	607.6	609.9	616.8	622.6	630.7	631.9
32.5°	695.5	697.8	689.7	681.6	678.2	674.7	678.2	693.2	709.4	714.0	719.8
35°	770.8	766.1	761.5	755.7	749.9	749.9	767.3	784.6	810.1	827.5	827.5
37.5°	847.1	843.7	835.6	827.5	827.5	839.0	856.4	899.2	936.2	961.7	951.3
40°	925.8	921.2	918.9	909.6	910.8	938.6	975.6	1028.8	1082.1	1117.9	1111.0
42.5°	1005.7	1006.8	998.7	995.3	1005.7	1036.9	1101.7	1173.5	1240.6	1285.7	1286.9
45°	1087.8	1087.8	1082.1	1079.7	1099.4	1146.9	1227.9	1326.2	1416.5	1468.6	1474.4
47.5°	1163.1	1161.9	1157.3	1156.1	1189.7	1246.4	1348.2	1474.4	1585.5	1643.3	1658.4
50°	1227.9	1229.0	1222.1	1227.9	1258.0	1333.2	1455.9	1608.6	1735.9	1808.8	1815.8
52.5°	1278.8	1280.0	1271.9	1276.5	1317.0	1403.8	1540.3	1711.6	1850.5	1928.0	1937.3
55°	1313.5	1308.9	1303.1	1310.0	1356.3	1452.4	1601.7	1779.9	1924.6	2005.6	2012.5
57.5°	1322.8	1319.3	1313.5	1322.8	1372.5	1470.9	1624.8	1804.2	1947.7	2028.7	2038.0
60°	1308.9	1308.9	1301.9	1312.4	1362.1	1458.2	1608.6	1782.2	1918.8	1992.8	2005.6
62.5°	1273.0	1273.0	1264.9	1273.0	1320.5	1409.6	1553.1	1713.9	1837.8	1902.6	1917.6
65°	1205.9	1204.7	1200.1	1202.4	1241.8	1326.2	1457.0	1602.8	1710.5	1768.3	1788.0
67.5°	1108.7	1105.2	1100.6	1105.2	1134.1	1209.4	1329.7	1457.0	1546.1	1601.7	1606.3
70°	984.8	981.4	975.6	973.3	1003.4	1063.5	1160.8	1273.0	1347.1	1387.6	1392.2
72.5°	837.9	842.5	837.9	830.9	850.6	903.8	984.8	1070.5	1131.8	1168.9	1174.6
75°	693.2	694.4	682.8	680.5	695.5	729.1	795.1	861.0	914.3	945.5	954.8
77.5°	537.0	537.0	526.6	520.8	528.9	557.8	602.9	656.2	700.2	719.8	736.0
80°	386.5	386.5	377.3	363.4	371.5	386.5	427.0	456.0	490.7	512.7	515.0
82.5°	241.9	238.4	240.7	230.3	232.6	237.2	262.7	282.4	303.2	314.8	315.9
85°	126.1	121.5	119.2	113.4	109.9	118.0	129.6	143.5	148.1	158.5	155.1
87.5°	39.3	37.0	35.9	35.9	32.4	34.7	35.9	38.2	44.0	44.0	46.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P198149

CATALOG NUMBER: TT-C5-LED-E1-RW-SG-8030

CANDELA DISTRIBUTION (continued):

	90°
0°	309.0
2.5°	310.2
5°	314.8
7.5°	321.7
10°	333.3
12.5°	347.2
15°	366.9
17.5°	391.2
20°	418.9
22.5°	456.0
25°	501.1
27.5°	554.3
30°	630.7
32.5°	716.4
35°	820.5
37.5°	962.9
40°	1109.8
42.5°	1295.0
45°	1474.4
47.5°	1658.4
50°	1812.3
52.5°	1933.8
55°	2016.0
57.5°	2038.0
60°	2002.1
62.5°	1914.1
65°	1785.7
67.5°	1606.3
70°	1399.2
72.5°	1171.2
75°	944.3
77.5°	731.4
80°	515.0
82.5°	325.2
85°	155.1
87.5°	49.8
90°	0.0

(END OF REPORT)