

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: P198077

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198077
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34695)
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-CG-8030
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH CLEAR GLASS LENS
Light Source: (160) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5658.7 lumens
Efficiency: N/A
Efficacy: 73.5 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type IV - Short - Semi-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



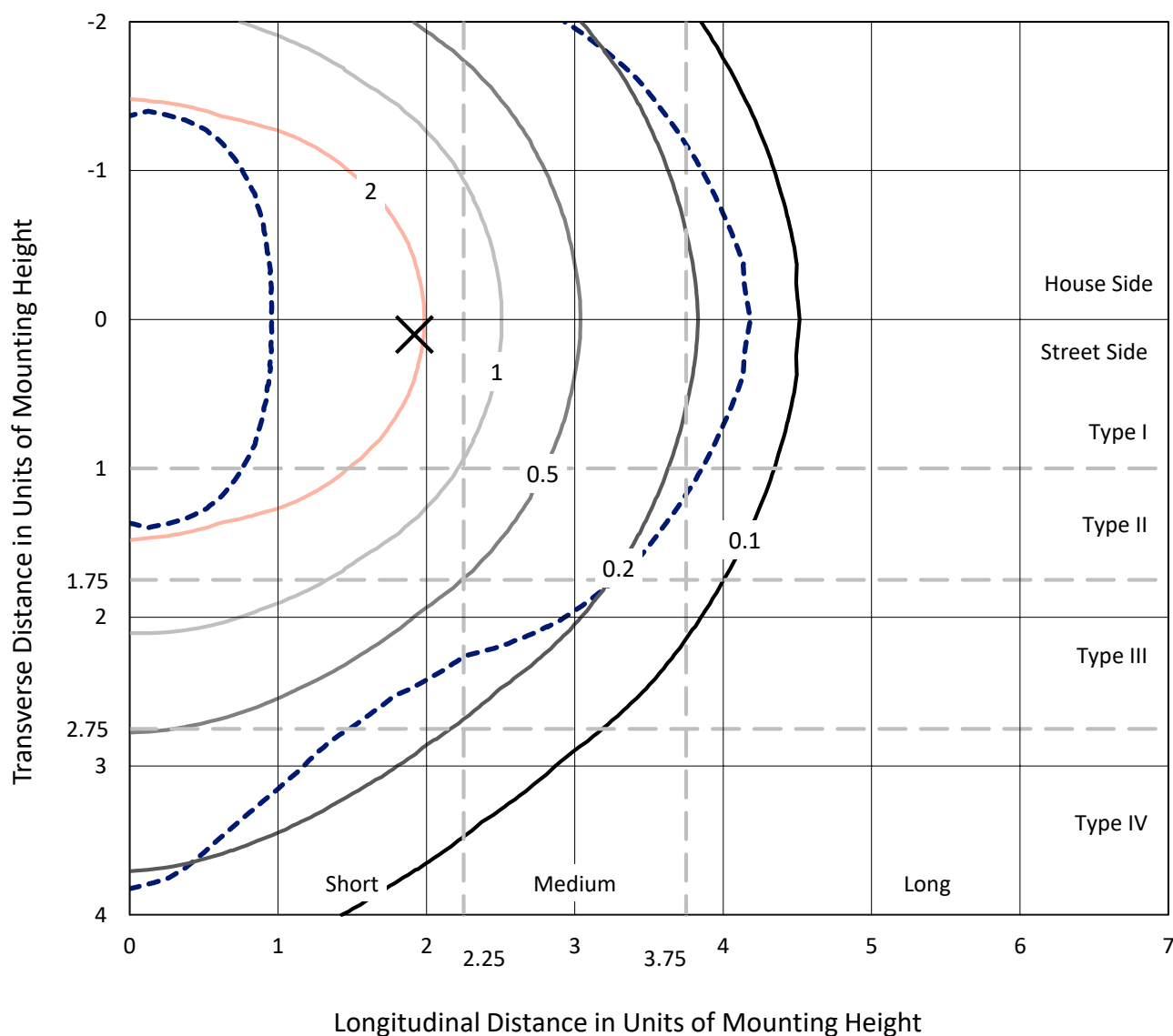
REPORT NUMBER: P198077

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

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

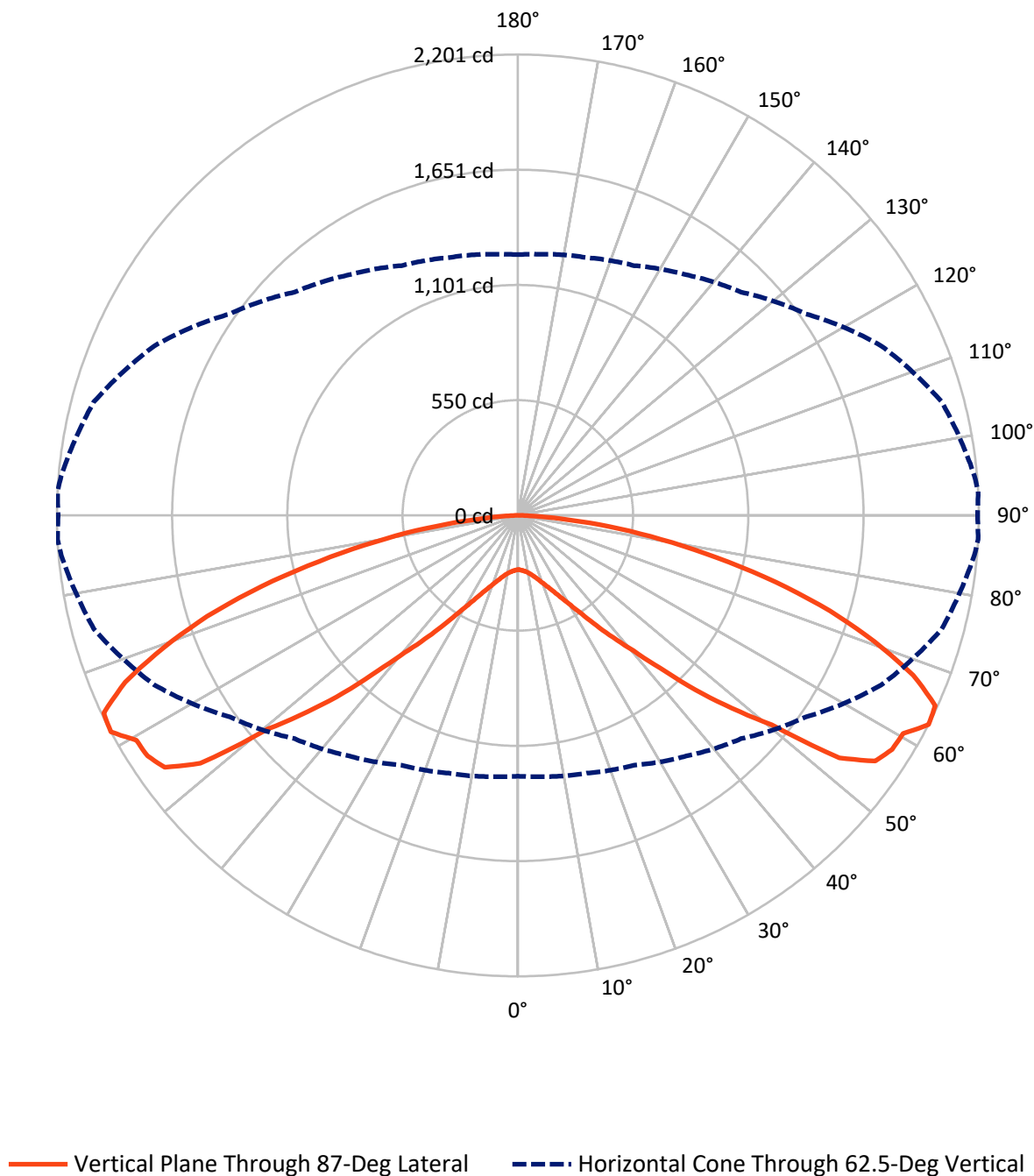


Based on 10 foot mounting height. Maximum calculated value = 4.3 fc
Type IV - Short - Semi-Cutoff

REPORT NUMBER: P198077

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

Luminous Intensity Polar Plot



REPORT NUMBER: P198077

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

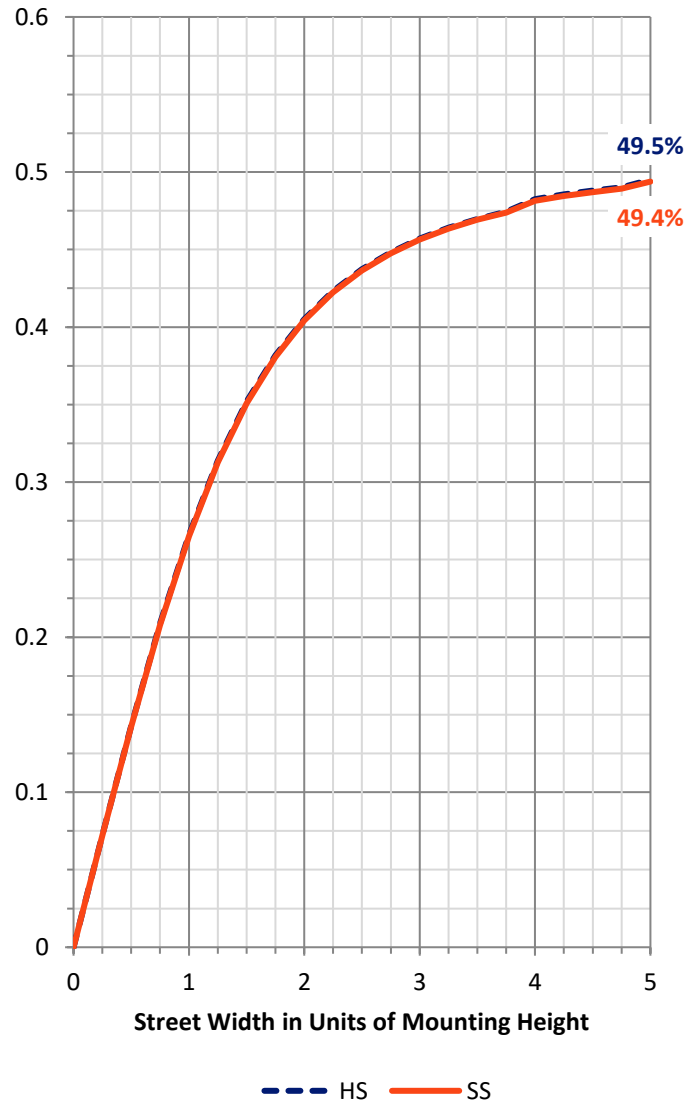
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2829.4	0.0	2829.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2829.4	0.0	2829.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	5658.7	0.0	5658.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.8	0.5
10°-20°	89.4	1.6
20°-30°	197.2	3.5
30°-40°	397.2	7.0
40°-50°	757.6	13.4
50°-60°	1297.2	22.9
60°-70°	1571.5	27.8
70°-80°	1088.8	19.2
80°-90°	234.0	4.1
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°	5658.7	100.0
0°-180°	5658.7	100.0

Coefficient of Utilization



REPORT NUMBER: P198077

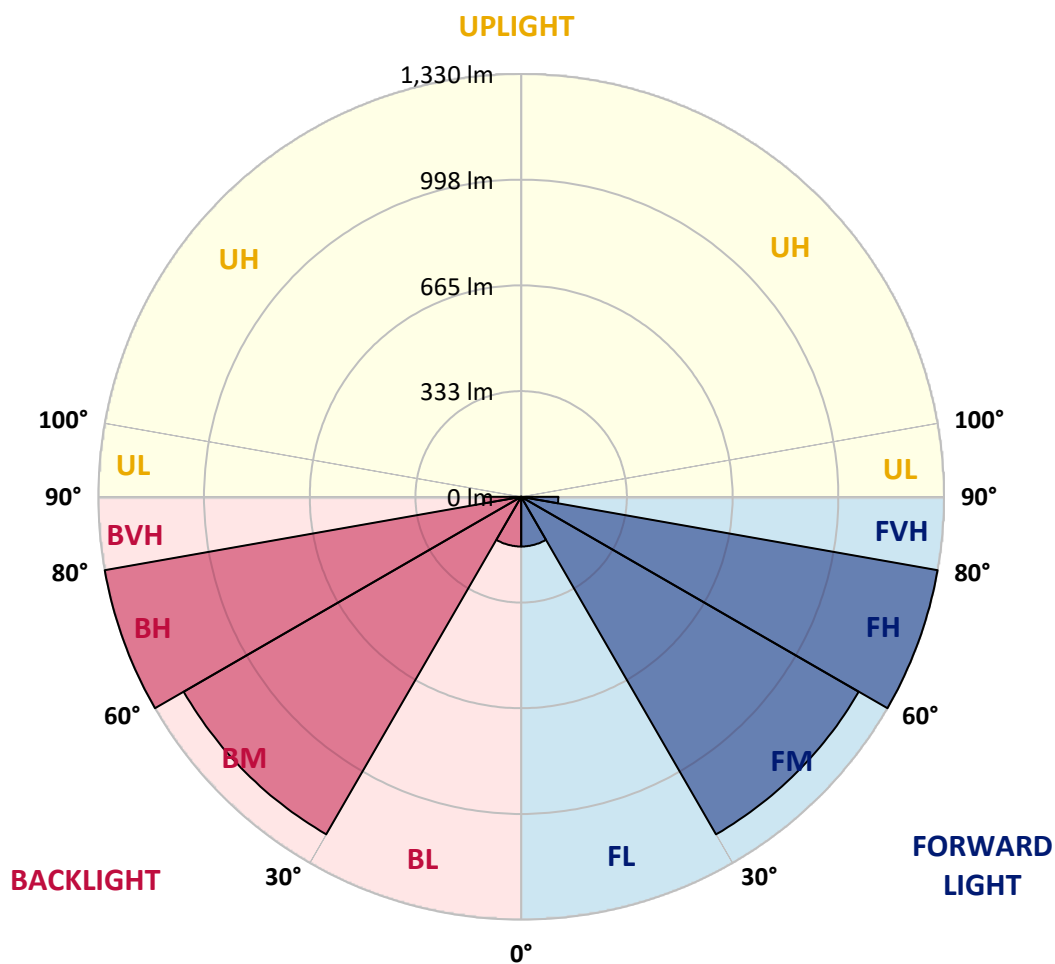
CATALOG NUMBER: TT-C5-LED-E1-RW-CG-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	156.2	2.8			
FM	(30°-60°)	1226.0	21.7			
FH	(60°-80°)	1330.2	23.5			G1/1800
FVH	(80°-90°)	117.0	2.1			G2/225
BL	(0°-30°)	156.2	2.8	B1/500		
BM	(30°-60°)	1226.0	21.7	B2/2500		
BH	(60°-80°)	1330.2	23.5	B3/2500		G3/2500
BVH	(80°-90°)	117.0	2.1			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type IV Short



REPORT NUMBER: P198077

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	87°
0°	258.1	258.1	258.1	258.1	258.1	258.1	258.1	258.1	258.1	258.1	258.1
2.5°	260.4	260.4	261.5	261.5	261.5	261.5	261.5	261.5	261.5	261.5	261.5
5°	265.0	265.0	265.0	266.2	266.2	266.2	266.2	266.2	265.0	265.0	265.0
7.5°	272.0	272.0	272.0	273.1	273.1	273.1	272.0	272.0	270.8	270.8	270.8
10°	281.2	281.2	282.4	282.4	281.2	281.2	280.1	278.9	280.1	278.9	278.9
12.5°	294.0	296.3	295.1	295.1	292.8	292.8	291.6	291.6	291.6	290.5	290.5
15°	312.5	312.5	313.6	311.3	311.3	307.8	306.7	305.5	306.7	306.7	305.5
17.5°	334.5	334.5	334.5	331.0	328.7	326.4	325.2	324.0	322.9	324.0	324.0
20°	368.0	365.7	361.1	358.8	353.0	350.7	348.3	347.2	346.0	346.0	346.0
22.5°	402.7	400.4	394.6	390.0	385.4	379.6	377.3	372.6	371.5	373.8	372.6
25°	436.3	439.8	432.8	427.0	423.6	414.3	408.5	407.4	405.0	403.9	405.0
27.5°	478.0	480.3	474.5	466.4	459.4	452.5	446.7	444.4	445.6	445.6	446.7
30°	524.2	528.9	519.6	515.0	504.6	495.3	490.7	493.0	495.3	498.8	497.6
32.5°	577.5	577.5	572.9	564.8	553.2	545.1	542.8	546.2	556.7	561.3	560.1
35°	640.0	635.3	630.7	620.3	605.3	600.6	605.3	616.8	631.9	640.0	644.6
37.5°	704.8	695.5	688.6	677.0	670.1	667.8	678.2	700.2	716.4	731.4	738.3
40°	760.3	760.3	751.1	738.3	731.4	741.8	758.0	789.3	820.5	836.7	848.3
42.5°	815.9	822.8	812.4	802.0	802.0	815.9	847.1	895.7	954.8	989.5	995.3
45°	873.7	886.5	872.6	865.6	872.6	900.4	959.4	1053.1	1141.1	1197.8	1188.5
47.5°	933.9	945.5	932.8	929.3	945.5	995.3	1085.5	1205.9	1293.8	1352.9	1376.0
50°	1008.0	999.9	995.3	994.1	1027.7	1101.7	1218.6	1348.2	1489.4	1542.7	1571.6
52.5°	1070.5	1056.6	1054.3	1062.4	1117.9	1207.0	1352.9	1591.3	1786.8	1918.8	1923.4
55°	1124.9	1109.8	1117.9	1137.6	1212.8	1336.7	1520.7	1799.6	1965.1	2063.4	2071.5
57.5°	1171.2	1163.1	1177.0	1203.6	1300.8	1448.9	1654.9	1885.2	2021.8	2100.5	2108.6
60°	1212.8	1211.7	1226.7	1271.9	1380.6	1514.9	1685.0	1891.0	2033.3	2103.9	2114.4
62.5°	1245.2	1252.2	1274.2	1315.8	1402.6	1507.9	1678.1	1915.3	2095.8	2188.4	2201.2
65°	1273.0	1280.0	1301.9	1315.8	1393.4	1494.1	1716.3	1931.5	2086.6	2182.6	2190.7
67.5°	1288.1	1296.2	1292.7	1295.0	1355.2	1433.9	1626.0	1811.1	1938.4	2026.4	2036.8
70°	1285.7	1278.8	1251.0	1222.1	1234.8	1290.4	1464.0	1619.0	1734.8	1804.2	1807.7
72.5°	1237.1	1225.6	1159.6	1092.5	1072.8	1109.8	1261.4	1378.3	1476.7	1540.3	1560.0
75°	1127.2	1104.0	1008.0	921.2	877.2	905.0	1021.9	1123.7	1196.6	1259.1	1271.9
77.5°	927.0	913.1	817.0	722.1	673.5	692.1	784.6	844.8	923.5	988.3	972.1
80°	674.7	672.4	594.8	510.4	475.6	483.7	533.5	592.5	642.3	690.9	693.2
82.5°	440.9	434.0	381.9	320.6	284.7	289.3	320.6	351.8	399.3	430.5	439.8
85°	218.7	215.3	192.1	153.9	134.2	134.2	149.3	167.8	191.0	204.8	203.7
87.5°	60.2	54.4	53.2	39.3	32.4	34.7	34.7	38.2	48.6	52.1	55.5
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: P198077

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

CANDELA DISTRIBUTION (continued):

	90°
0°	258.1
2.5°	261.5
5°	265.0
7.5°	270.8
10°	280.1
12.5°	290.5
15°	305.5
17.5°	322.9
20°	346.0
22.5°	375.0
25°	405.0
27.5°	445.6
30°	498.8
32.5°	561.3
35°	642.3
37.5°	732.6
40°	843.7
42.5°	989.5
45°	1198.9
47.5°	1364.4
50°	1556.5
52.5°	1930.3
55°	2073.9
57.5°	2110.9
60°	2115.5
62.5°	2195.4
65°	2200.0
67.5°	2028.7
70°	1813.5
72.5°	1557.7
75°	1281.1
77.5°	989.5
80°	692.1
82.5°	432.8
85°	202.5
87.5°	50.9
90°	0.0

(END OF REPORT)