

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: P400686

Luminaire Tested: **TT-D6-835-U-RW**

Issue Date: 6/3/2020

Test Information

Test Method: LM-79-08
Report Number: P400686
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P197998)
Test Lab: INNOVATION CENTER
Issue Date: 6/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-D6-835-U-RW
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
3500K, 80 CRI LEDS AND RECTANGULAR DISTRIBUTION
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9811 lumens
Efficiency: N/A
Efficacy: 93.3 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G3

Input Watts (W): 105.2
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: 28.75 FT



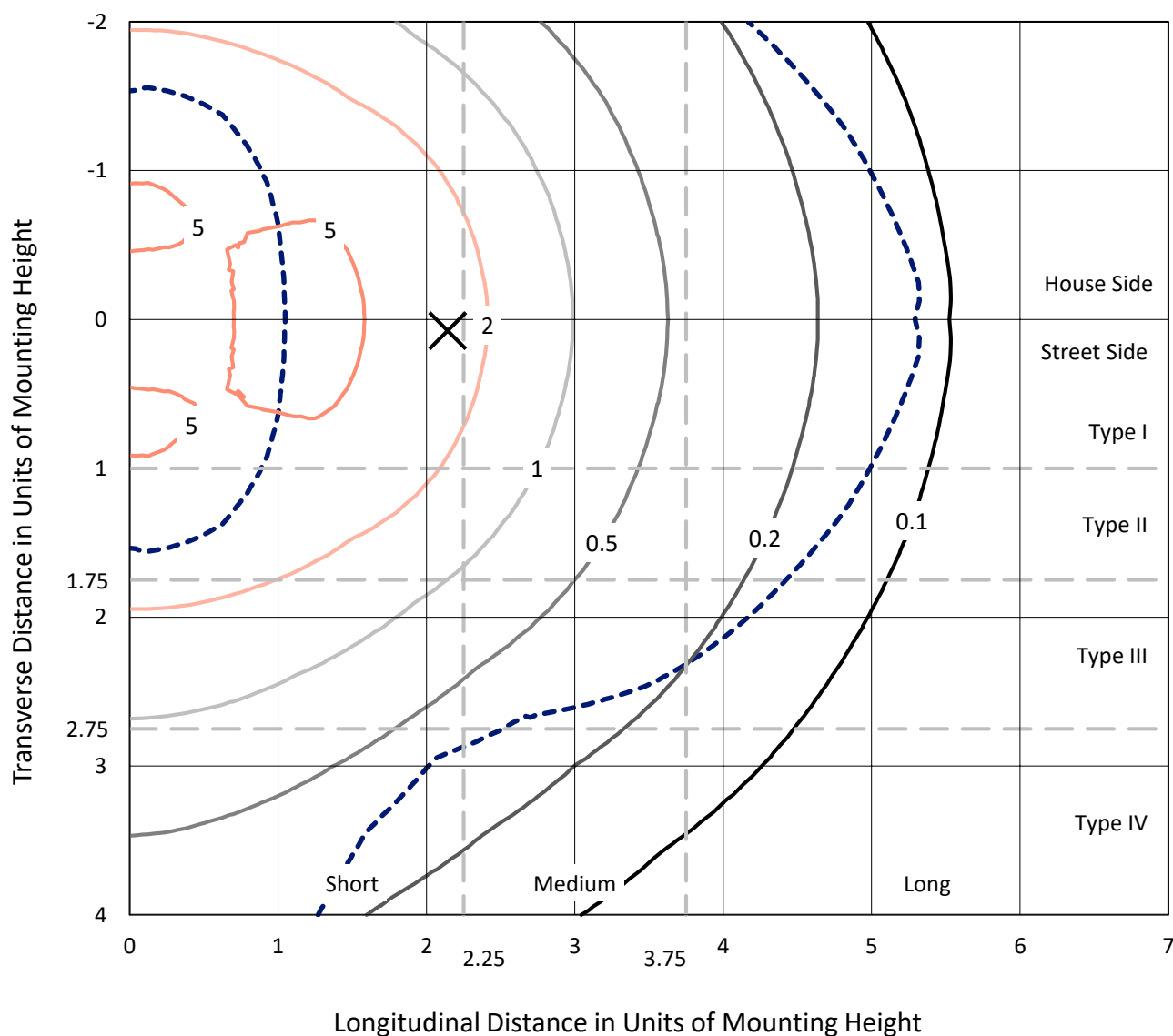
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

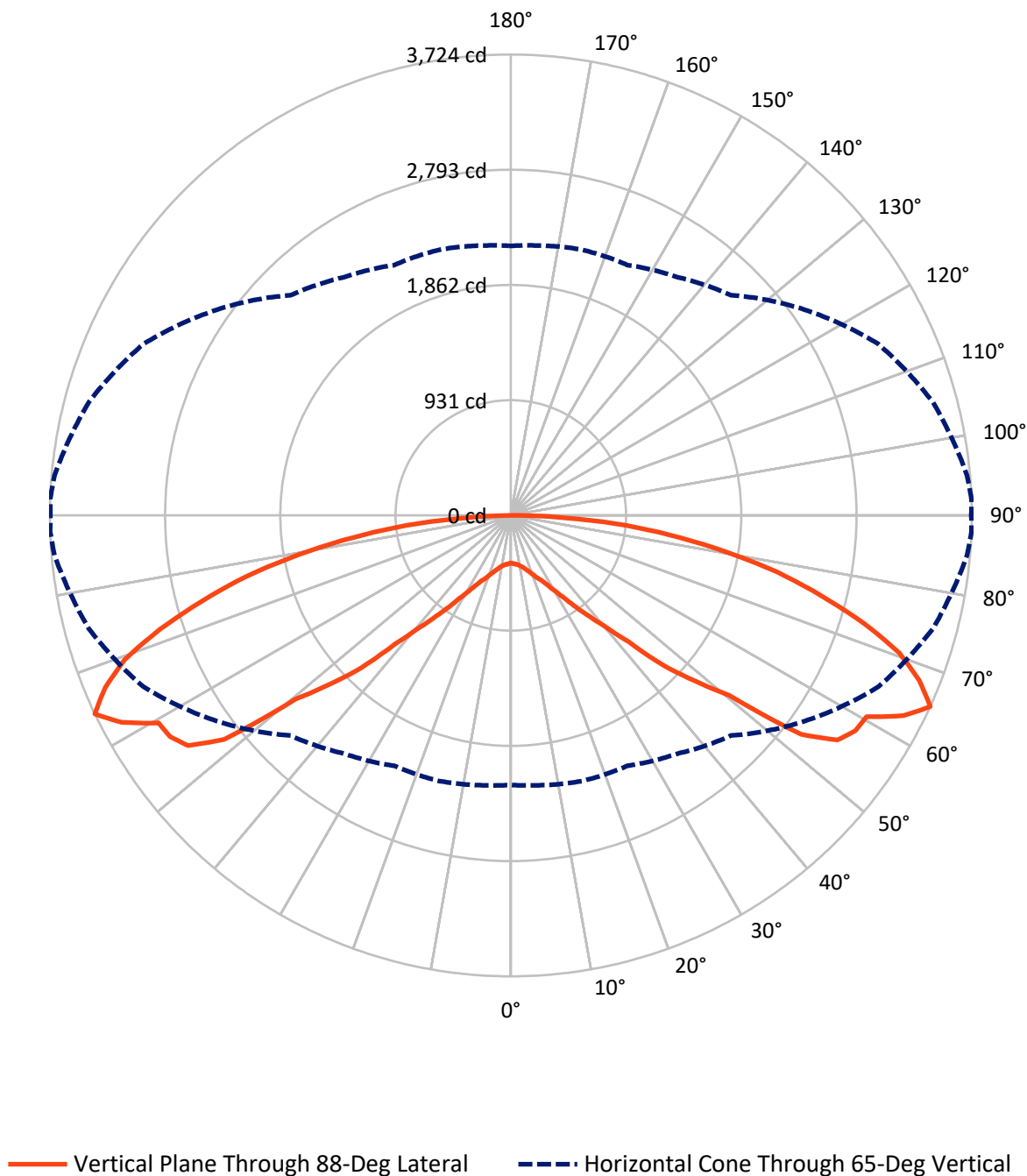


Based on 10 foot mounting height. Maximum calculated value = 6.4 fc
Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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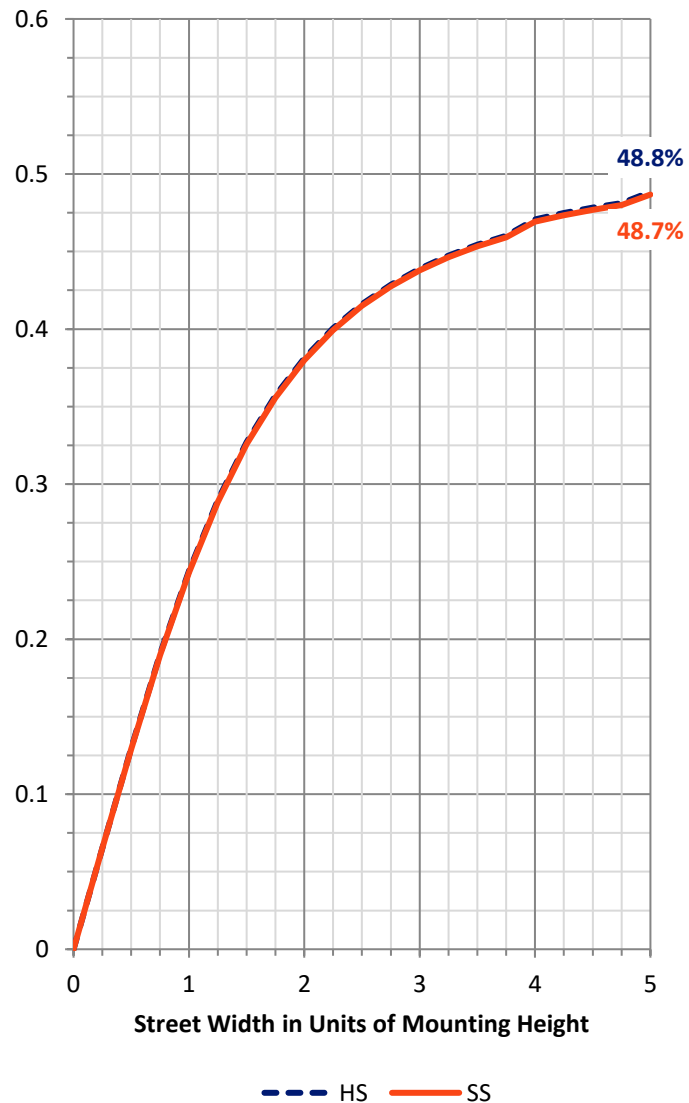
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4905.5	0.0	4905.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4905.5	0.0	4905.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	9811.0	0.0	9811.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.5	0.4
10°-20°	133.6	1.4
20°-30°	295.1	3.0
30°-40°	588.0	6.0
40°-50°	1125.5	11.5
50°-60°	2014.5	20.5
60°-70°	2669.4	27.2
70°-80°	2227.7	22.7
80°-90°	718.7	7.3
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°	9811.0	100.0
0°-180°	9811.0	100.0

Coefficient of Utilization



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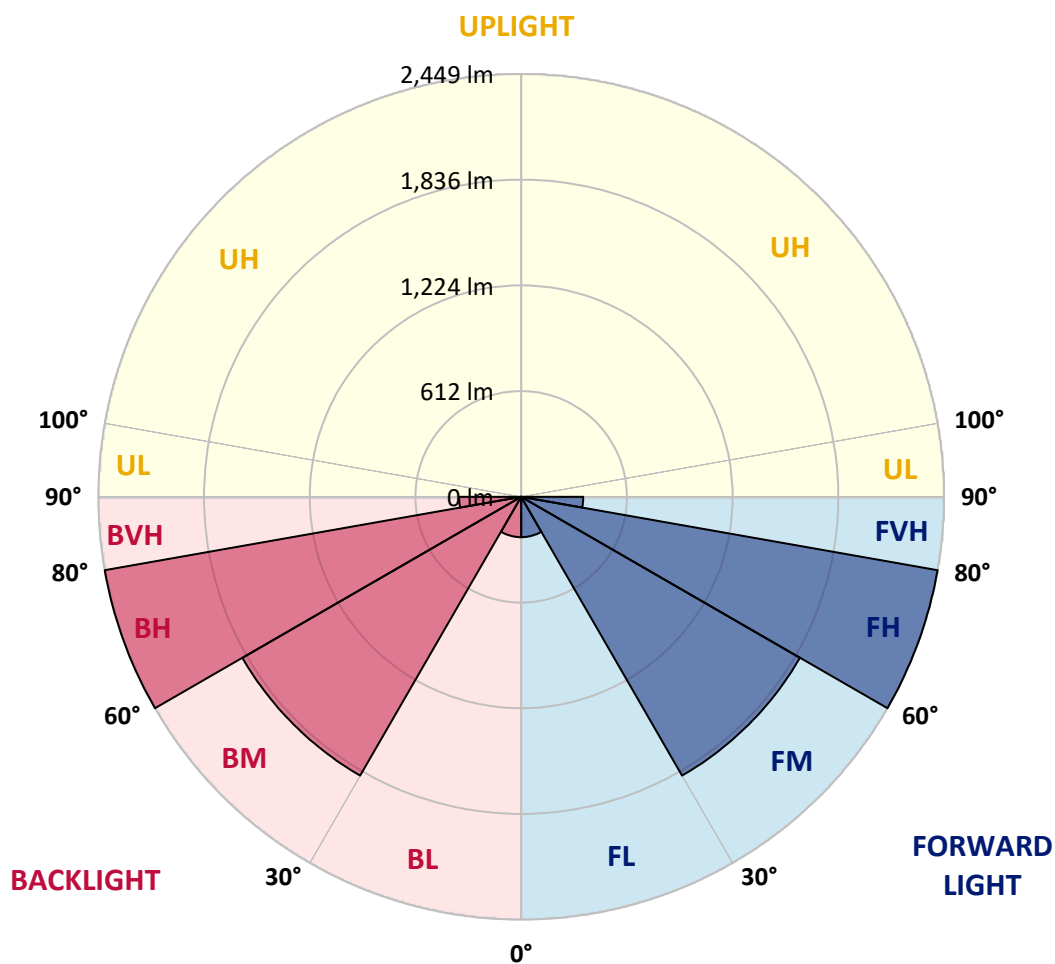
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	233.6	2.4			
FM	(30°-60°)	1864.0	19.0			
FH	(60°-80°)	2448.6	25.0			G2/5000
FVH	(80°-90°)	359.4	3.7			G3/500
BL	(0°-30°)	233.6	2.4	B1/500		
BM	(30°-60°)	1864.0	19.0	B2/2500		
BH	(60°-80°)	2448.6	25.0	B3/2500		G2/5000
BVH	(80°-90°)	359.4	3.7			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
0°	384.2	384.2	384.2	384.2	384.2	384.2	384.2	384.2	384.2	384.2	384.2
2.5°	388.0	388.0	388.0	388.0	390.0	390.0	390.0	390.0	390.0	390.0	390.0
5°	393.8	393.8	395.7	395.7	397.7	397.7	397.7	397.7	395.7	395.7	395.7
7.5°	403.5	405.4	407.3	407.3	407.3	405.4	403.5	403.5	401.5	401.5	401.5
10°	420.8	420.8	422.8	422.8	420.8	418.9	417.0	415.1	415.1	415.1	413.1
12.5°	442.1	442.1	444.0	442.1	438.2	436.3	432.4	430.5	430.5	428.6	428.6
15°	471.0	474.9	474.9	469.1	463.3	457.5	455.6	451.7	451.7	451.7	451.7
17.5°	515.4	513.5	505.8	500.0	496.1	486.5	482.6	480.7	476.8	476.8	476.8
20°	565.6	561.8	552.1	544.4	536.7	525.1	517.4	513.5	511.6	509.6	509.6
22.5°	621.6	615.8	602.3	596.5	581.1	569.5	559.8	552.1	546.3	544.4	548.3
25°	679.5	679.5	667.9	652.5	637.1	619.7	606.2	596.5	588.8	586.9	584.9
27.5°	741.3	745.2	729.7	714.3	696.9	673.7	660.2	646.7	644.8	642.8	640.9
30°	806.9	814.7	799.2	783.8	760.6	737.4	720.1	714.3	708.5	712.3	712.3
32.5°	888.0	891.9	874.5	862.9	832.0	808.9	793.4	789.6	791.5	789.6	795.4
35°	982.6	976.8	963.3	940.1	913.1	891.9	880.3	888.0	909.3	917.0	913.1
37.5°	1086.9	1065.6	1057.9	1028.9	1003.8	986.5	990.3	1009.6	1027.0	1040.5	1036.7
40°	1164.1	1167.9	1146.7	1119.7	1096.5	1092.6	1113.9	1139.0	1171.8	1183.4	1187.2
42.5°	1243.2	1266.4	1241.3	1214.3	1202.7	1210.4	1241.3	1291.5	1364.8	1403.5	1397.7
45°	1334.0	1359.1	1332.0	1310.8	1308.9	1337.8	1405.4	1536.7	1644.8	1722.0	1729.7
47.5°	1428.5	1447.9	1422.8	1409.2	1428.5	1484.5	1600.4	1776.0	1891.9	1982.6	1998.0
50°	1548.2	1540.5	1521.2	1519.3	1561.7	1664.1	1820.4	1998.0	2206.5	2266.4	2285.7
52.5°	1666.0	1637.0	1633.2	1642.8	1718.1	1833.9	2042.4	2391.9	2698.8	2915.0	2938.2
55°	1776.0	1743.2	1750.9	1776.0	1882.2	2057.9	2347.5	2774.1	3042.4	3194.9	3202.6
57.5°	1876.4	1857.1	1874.5	1909.2	2067.5	2293.4	2600.3	2951.7	3154.4	3262.5	3281.8
60°	1978.7	1974.9	1996.1	2059.8	2229.7	2430.5	2687.2	2998.0	3200.7	3283.7	3303.0
62.5°	2075.3	2088.8	2115.8	2177.6	2308.8	2465.2	2714.2	3094.5	3397.6	3528.9	3561.7
65°	2177.6	2189.2	2222.0	2231.6	2349.4	2515.4	2897.6	3276.0	3530.8	3700.7	3723.9
67.5°	2270.2	2285.7	2274.1	2266.4	2368.7	2515.4	2861.0	3193.0	3405.3	3534.7	3559.8
70°	2359.0	2341.7	2295.3	2235.5	2264.4	2364.8	2681.4	2969.1	3183.3	3305.0	3330.1
72.5°	2382.2	2359.0	2235.5	2098.4	2055.9	2131.2	2422.7	2677.6	2853.2	2967.1	2982.6
75°	2322.4	2274.1	2065.6	1876.4	1795.3	1870.6	2113.9	2332.0	2455.6	2579.1	2588.8
77.5°	2083.0	2052.1	1820.4	1590.7	1500.0	1556.0	1758.7	1913.1	2055.9	2175.6	2198.8
80°	1710.4	1683.4	1478.7	1291.5	1169.9	1208.5	1357.1	1480.7	1617.7	1712.3	1741.3
82.5°	1258.7	1254.8	1108.1	932.4	847.5	843.6	955.6	1077.2	1181.4	1272.2	1291.5
85°	791.5	791.5	691.1	584.9	496.1	498.1	565.6	654.4	785.7	843.6	849.4
87.5°	268.3	254.8	237.4	193.0	154.4	139.0	148.6	169.9	258.7	320.5	332.0
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°	384.2
2.5°	390.0
5°	395.7
7.5°	401.5
10°	413.1
12.5°	430.5
15°	449.8
17.5°	476.8
20°	509.6
22.5°	546.3
25°	584.9
27.5°	642.8
30°	710.4
32.5°	793.4
35°	915.0
37.5°	1040.5
40°	1196.9
42.5°	1413.1
45°	1710.4
47.5°	1998.0
50°	2264.4
52.5°	2889.9
55°	3210.4
57.5°	3279.9
60°	3297.2
62.5°	3544.3
65°	3720.0
67.5°	3557.9
70°	3324.3
72.5°	2971.0
75°	2604.2
77.5°	2198.8
80°	1718.1
82.5°	1291.5
85°	835.9
87.5°	322.4
90°	0.0

(END OF REPORT)