

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: P197793

Luminaire Tested: **TT-C6-LED-E1-WQ-8030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P197793  
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-C6-LED-E1-WQ-8030  
Description: TOPTIER LED PARKING GARAGE LUMINAIRE  
WIDE DISTRIBUTION  
Light Source: (160) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8553.9 lumens  
Efficiency: N/A  
Efficacy: 79.2 lumens/watt  
Luminous Opening: Circular (Dia: 1.12' x H: 0')  
IES Classification: Type V - Short - Semi-Cutoff  
BUG Rating: B3 - U0 - G3

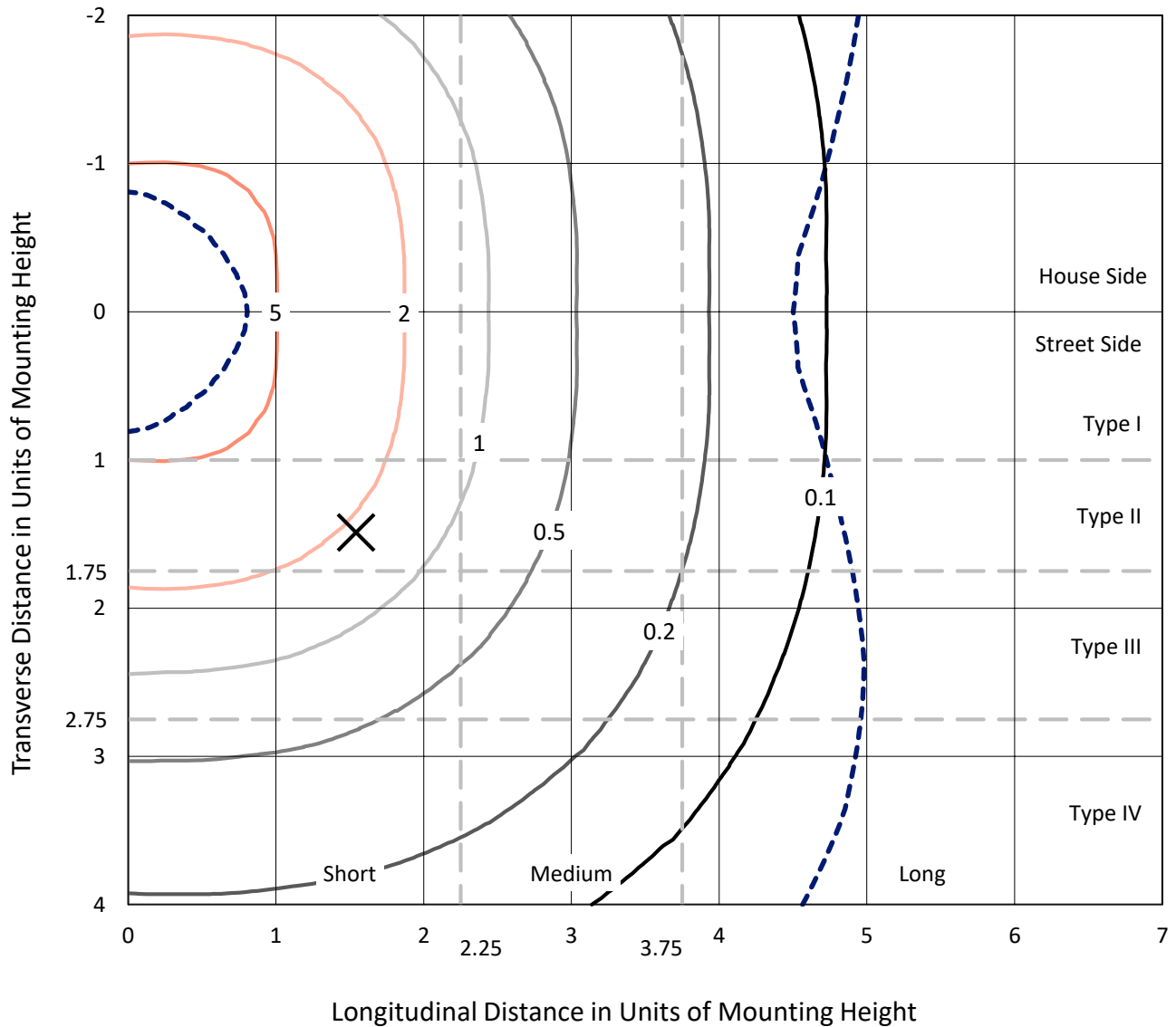
Input Watts (W): 108  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

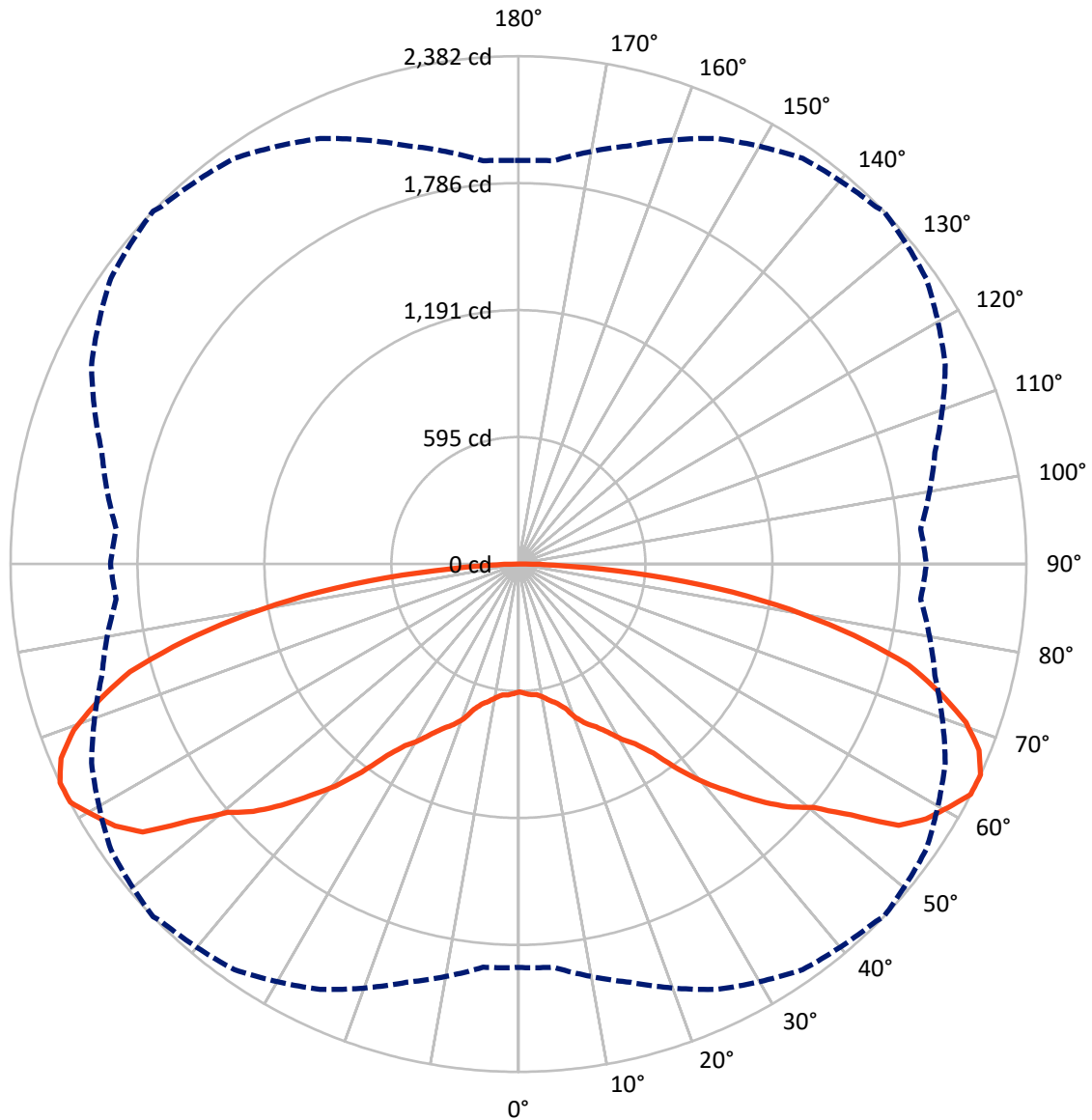
✕ Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 46-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

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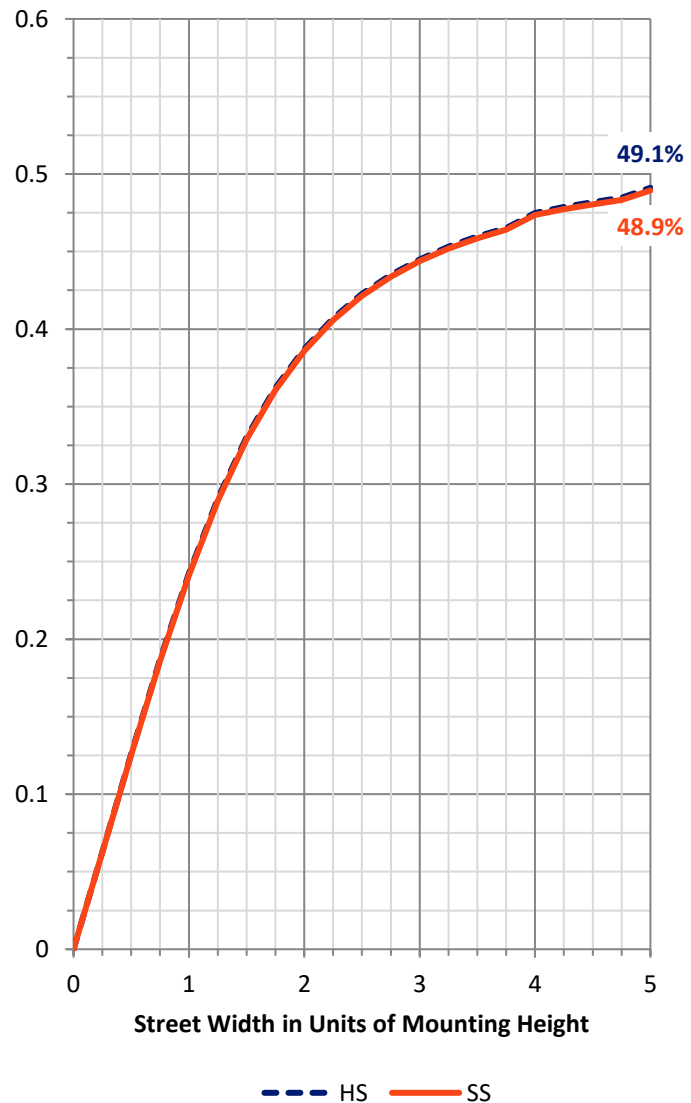
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4276.9	0.0	4276.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4276.9	0.0	4276.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	8553.9	0.0	8553.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	59.3	0.7
10°-20°	197.5	2.3
20°-30°	397.4	4.6
30°-40°	692.0	8.1
40°-50°	1170.3	13.7
50°-60°	1744.4	20.4
60°-70°	2087.7	24.4
70°-80°	1690.3	19.8
80°-90°	515.0	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°	8553.9	100.0
0°-180°	8553.9	100.0



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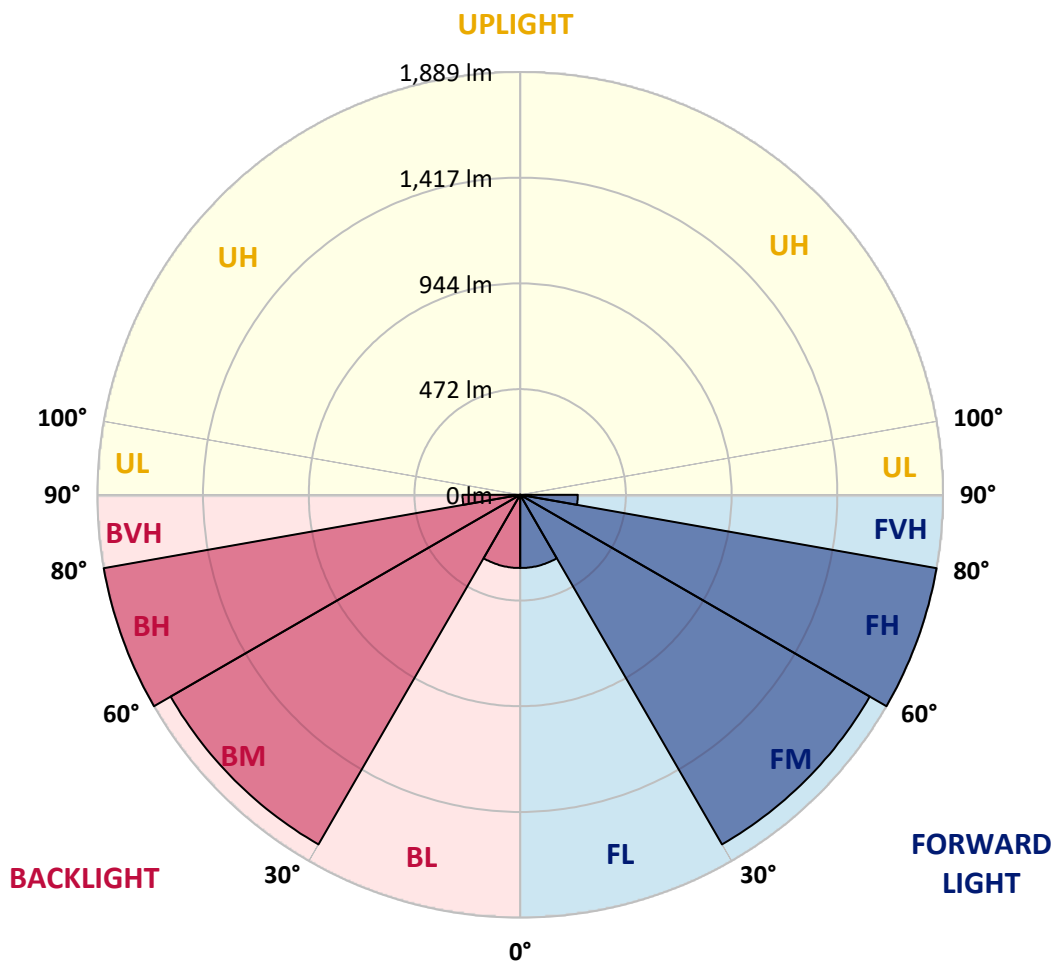
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	327.1	3.8			
FM	(30°-60°)	1803.4	21.1			
FH	(60°-80°)	1889.0	22.1			G2/5000
FVH	(80°-90°)	257.5	3.0			G3/500
BL	(0°-30°)	327.1	3.8	B1/500		
BM	(30°-60°)	1803.4	21.1	B2/2500		
BH	(60°-80°)	1889.0	22.1	B3/2500		G2/5000
BVH	(80°-90°)	257.5	3.0			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°	46°	55°	65°	75°	85°
0°	599.2	599.2	599.2	599.2	599.2	599.2	599.2	599.2	599.2	599.2	599.2
2.5°	609.5	608.0	608.0	608.0	608.0	608.0	608.0	608.0	608.0	608.0	609.5
5°	619.9	619.9	618.4	616.9	616.9	615.4	615.4	615.4	616.9	618.4	618.4
7.5°	624.3	622.8	622.8	621.4	619.9	619.9	618.4	619.9	621.4	622.8	622.8
10°	633.2	634.7	636.2	637.6	639.1	637.6	634.7	637.6	637.6	636.2	633.2
12.5°	653.9	653.9	658.3	662.8	662.8	661.3	656.9	662.8	661.3	656.9	653.9
15°	682.0	683.5	683.5	687.9	685.0	682.0	677.6	685.0	685.0	682.0	680.5
17.5°	722.0	719.0	714.6	717.5	720.5	720.5	711.6	720.5	714.6	711.6	716.0
20°	766.3	764.9	763.4	766.3	778.2	773.7	769.3	775.2	767.8	757.5	760.4
22.5°	800.4	803.3	807.8	812.2	824.0	821.1	812.2	822.6	810.7	807.8	798.9
25°	843.3	841.8	853.6	853.6	861.0	856.6	846.2	861.0	849.2	853.6	840.3
27.5°	886.2	884.7	893.6	893.6	906.9	905.4	892.1	906.9	893.6	890.6	886.2
30°	935.0	932.0	933.5	945.4	964.6	964.6	952.7	960.1	945.4	930.6	929.1
32.5°	986.8	980.9	989.7	1009.0	1019.3	1016.4	1004.5	1016.4	1011.9	986.8	980.9
35°	1037.1	1044.5	1060.7	1077.0	1096.3	1099.2	1088.9	1094.8	1078.5	1059.3	1044.5
37.5°	1121.4	1133.2	1153.9	1192.4	1222.0	1230.9	1222.0	1219.0	1195.4	1152.5	1131.8
40°	1239.8	1242.7	1270.8	1328.5	1359.6	1365.5	1349.2	1353.7	1325.6	1278.2	1233.8
42.5°	1335.9	1331.5	1381.8	1433.6	1466.1	1479.4	1461.7	1467.6	1429.1	1383.3	1334.4
45°	1414.3	1418.8	1470.5	1522.3	1574.1	1599.3	1585.9	1575.6	1519.4	1467.6	1424.7
47.5°	1486.8	1507.5	1543.0	1618.5	1683.6	1711.7	1701.3	1686.5	1627.4	1541.6	1509.0
50°	1578.5	1591.9	1634.8	1732.4	1793.1	1803.4	1794.5	1794.5	1738.3	1639.2	1594.8
52.5°	1677.7	1679.1	1742.8	1843.4	1920.3	1961.7	1954.3	1933.6	1844.8	1757.6	1685.1
55°	1796.0	1779.7	1878.9	1983.9	2099.3	2167.4	2164.4	2120.0	1998.7	1883.3	1787.1
57.5°	1862.6	1865.6	1955.8	2114.1	2225.0	2244.3	2254.6	2228.0	2136.3	1958.8	1883.3
60°	1877.4	1912.9	1995.7	2170.3	2257.6	2313.8	2316.8	2272.4	2176.2	2007.6	1927.7
62.5°	1883.3	1926.2	2028.3	2167.4	2315.3	2370.0	2380.4	2334.5	2179.2	2032.7	1915.9
65°	1892.2	1898.1	2031.2	2201.4	2322.7	2370.0	2381.9	2334.5	2208.8	2022.4	1893.7
67.5°	1855.2	1840.4	1957.3	2142.2	2260.6	2316.8	2330.1	2273.9	2146.6	1960.2	1859.6
70°	1722.0	1728.0	1858.2	2034.2	2164.4	2217.7	2226.5	2165.9	2032.7	1871.5	1754.6
72.5°	1581.5	1596.3	1705.8	1883.3	2000.2	2052.0	2068.2	2004.6	1892.2	1726.5	1605.2
75°	1386.2	1414.3	1519.4	1679.1	1796.0	1874.4	1890.7	1807.9	1673.2	1529.7	1412.8
77.5°	1170.2	1189.5	1290.1	1427.6	1553.4	1593.3	1608.1	1568.2	1435.0	1307.8	1198.3
80°	920.2	927.6	1029.7	1139.2	1236.8	1269.3	1291.5	1241.2	1151.0	1035.6	929.1
82.5°	631.7	642.1	714.6	815.2	901.0	914.3	942.4	901.0	816.6	727.9	648.0
85°	328.4	343.2	399.4	454.2	520.8	537.0	545.9	514.8	470.5	398.0	344.7
87.5°	71.0	78.4	87.3	112.4	134.6	153.9	167.2	139.1	111.0	93.2	71.0
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°	599.2
2.5°	608.0
5°	618.4
7.5°	622.8
10°	633.2
12.5°	652.4
15°	682.0
17.5°	719.0
20°	758.9
22.5°	794.4
25°	837.4
27.5°	886.2
30°	936.5
32.5°	977.9
35°	1035.6
37.5°	1130.3
40°	1244.2
42.5°	1335.9
45°	1411.4
47.5°	1495.7
50°	1580.0
52.5°	1688.0
55°	1794.5
57.5°	1849.3
60°	1883.3
62.5°	1909.9
65°	1912.9
67.5°	1836.0
70°	1719.1
72.5°	1585.9
75°	1390.7
77.5°	1185.0
80°	920.2
82.5°	646.5
85°	338.8
87.5°	66.6
90°	0.0

(END OF REPORT)