

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: P197794

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197794
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
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
WIDE DISTRIBUTION
Light Source: (160) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11342 lumens
Efficiency: N/A
Efficacy: 105.0 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B4 - U0 - G3

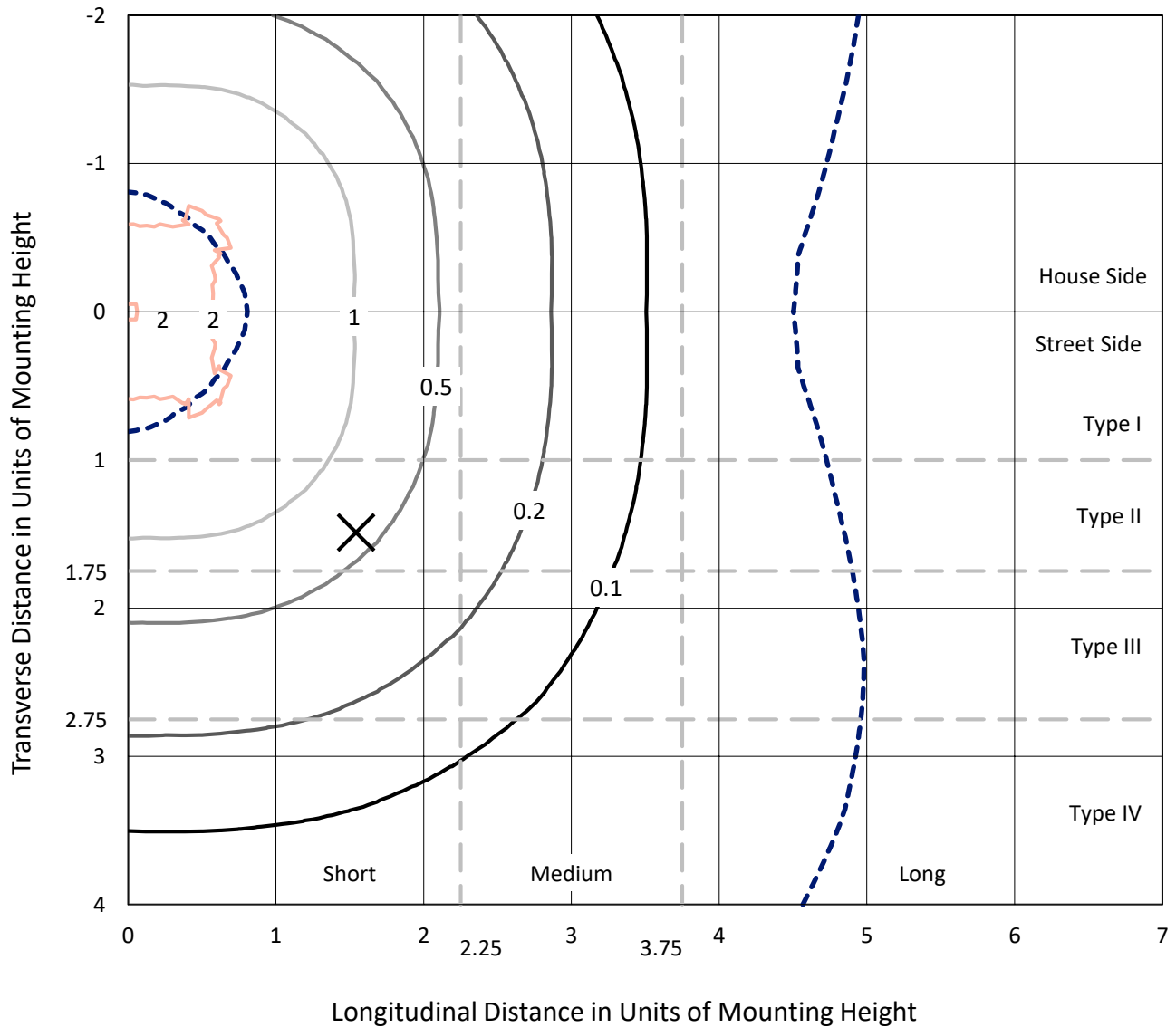
Input Watts (W): 108
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

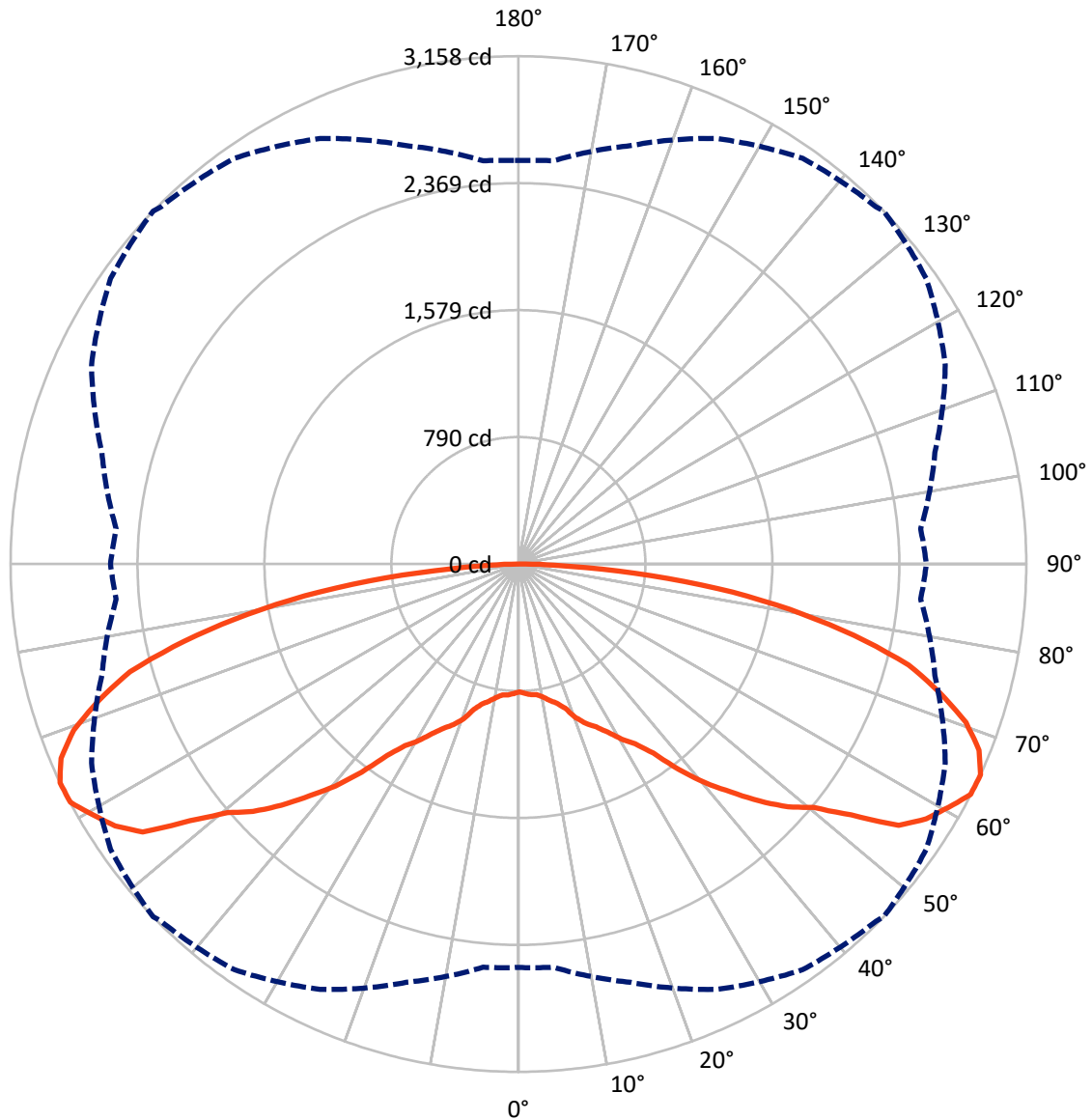
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 2.1 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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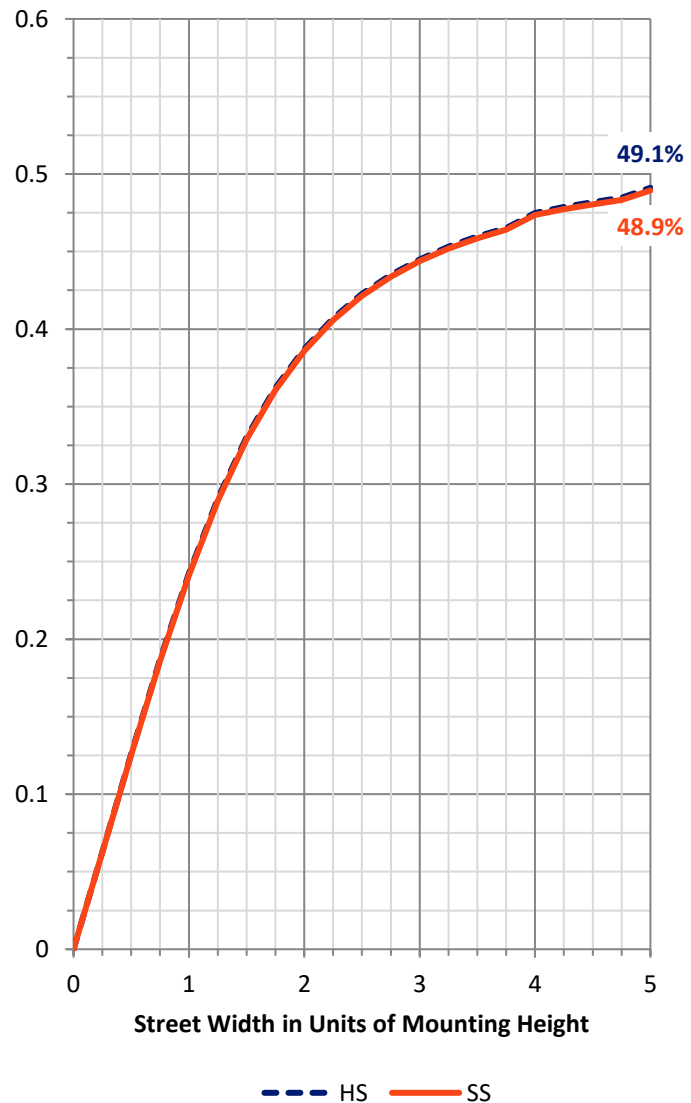
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5671.0	0.0	5671.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5671.0	0.0	5671.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	11342.0	0.0	11342.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.6	0.7
10°-20°	261.9	2.3
20°-30°	526.9	4.6
30°-40°	917.5	8.1
40°-50°	1551.8	13.7
50°-60°	2313.0	20.4
60°-70°	2768.1	24.4
70°-80°	2241.2	19.8
80°-90°	682.8	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°	11342.0	100.0
0°-180°	11342.0	100.0



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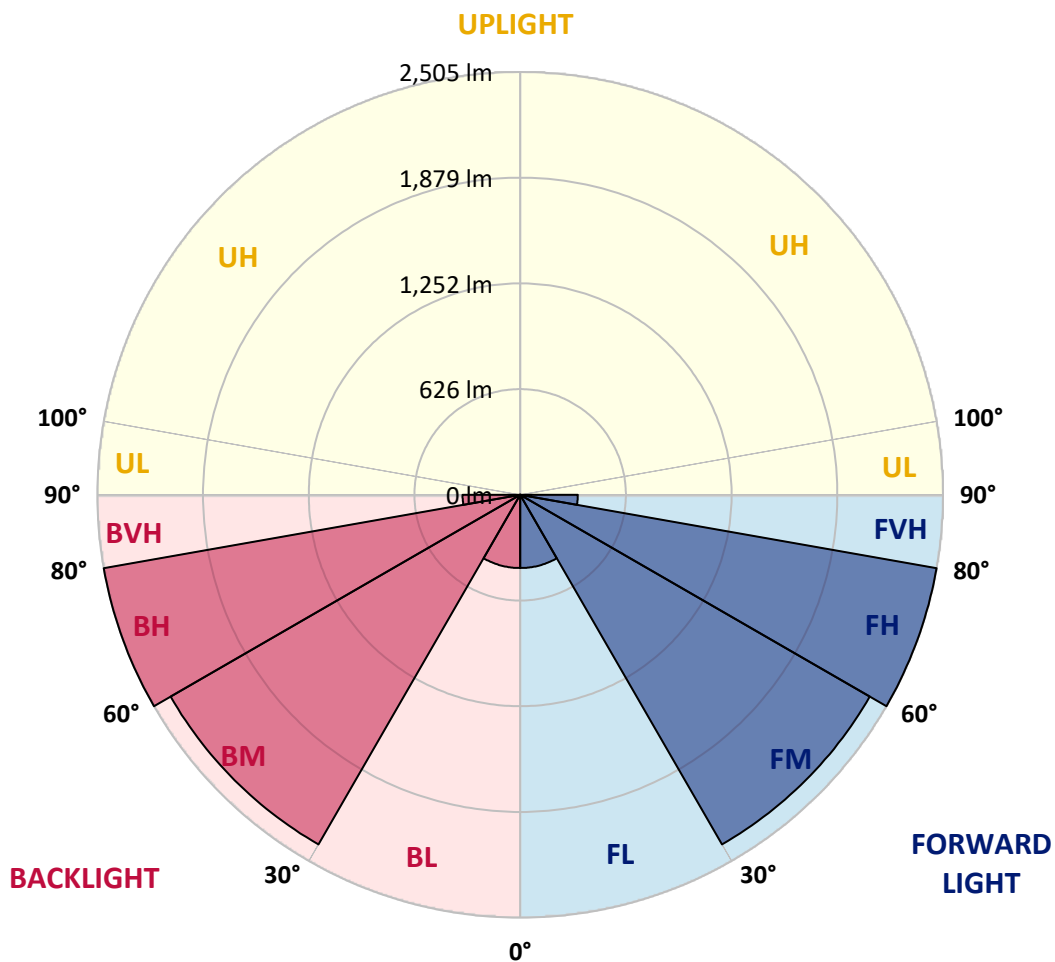
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	433.7	3.8			
FM	(30°-60°)	2391.2	21.1			
FH	(60°-80°)	2504.7	22.1			G2/5000
FVH	(80°-90°)	341.4	3.0			G3/500
BL	(0°-30°)	433.7	3.8	B1/500		
BM	(30°-60°)	2391.2	21.1	B2/2500		
BH	(60°-80°)	2504.7	22.1	B4/5000		G2/5000
BVH	(80°-90°)	341.4	3.0			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	794.5	794.5	794.5	794.5	794.5	794.5	794.5	794.5	794.5	794.5	794.5
2.5°	808.2	806.2	806.2	806.2	806.2	806.2	806.2	806.2	806.2	806.2	808.2
5°	821.9	821.9	820.0	818.0	818.0	816.0	816.0	816.0	818.0	820.0	820.0
7.5°	827.8	825.8	825.8	823.9	821.9	821.9	820.0	821.9	823.9	825.8	825.8
10°	839.6	841.5	843.5	845.5	847.4	845.5	841.5	845.5	845.5	843.5	839.6
12.5°	867.0	867.0	872.9	878.8	878.8	876.9	871.0	878.8	876.9	871.0	867.0
15°	904.3	906.3	906.3	912.2	908.2	904.3	898.4	908.2	908.2	904.3	902.4
17.5°	957.3	953.4	947.5	951.4	955.3	955.3	943.5	955.3	947.5	943.5	949.4
20°	1016.1	1014.2	1012.2	1016.1	1031.8	1025.9	1020.1	1027.9	1018.1	1004.4	1008.3
22.5°	1061.2	1065.2	1071.1	1076.9	1092.6	1088.7	1076.9	1090.7	1075.0	1071.1	1059.3
25°	1118.1	1116.2	1131.9	1131.9	1141.7	1135.8	1122.1	1141.7	1126.0	1131.9	1114.2
27.5°	1175.0	1173.1	1184.8	1184.8	1202.5	1200.5	1182.9	1202.5	1184.8	1180.9	1175.0
30°	1239.8	1235.8	1237.8	1253.5	1279.0	1279.0	1263.3	1273.1	1253.5	1233.9	1231.9
32.5°	1308.4	1300.6	1312.3	1337.8	1351.6	1347.6	1331.9	1347.6	1341.8	1308.4	1300.6
35°	1375.1	1384.9	1406.5	1428.1	1453.6	1457.5	1443.8	1451.6	1430.0	1404.5	1384.9
37.5°	1486.9	1502.6	1530.1	1581.1	1620.3	1632.1	1620.3	1616.4	1585.0	1528.1	1500.7
40°	1643.8	1647.8	1685.0	1761.5	1802.7	1810.6	1789.0	1794.9	1757.6	1694.9	1636.0
42.5°	1771.4	1765.5	1832.2	1900.8	1944.0	1961.6	1938.1	1945.9	1894.9	1834.1	1769.4
45°	1875.3	1881.2	1949.9	2018.5	2087.2	2120.5	2102.9	2089.1	2014.6	1945.9	1889.1
47.5°	1971.4	1998.9	2046.0	2146.0	2232.3	2269.6	2255.9	2236.3	2157.8	2044.0	2000.9
50°	2093.1	2110.7	2167.6	2297.1	2377.5	2391.2	2379.5	2379.5	2304.9	2173.5	2114.6
52.5°	2224.5	2226.5	2310.8	2444.2	2546.2	2601.1	2591.3	2563.9	2446.2	2330.4	2234.3
55°	2381.4	2359.8	2491.3	2630.6	2783.6	2873.8	2869.9	2811.0	2650.2	2497.2	2369.7
57.5°	2469.7	2473.6	2593.3	2803.2	2950.3	2975.8	2989.5	2954.2	2832.6	2597.2	2497.2
60°	2489.3	2536.4	2646.2	2877.7	2993.5	3068.0	3071.9	3013.1	2885.6	2661.9	2556.0
62.5°	2497.2	2554.0	2689.4	2873.8	3070.0	3142.5	3156.3	3095.5	2889.5	2695.3	2540.3
65°	2508.9	2516.8	2693.3	2918.9	3079.8	3142.5	3158.2	3095.5	2928.7	2681.6	2510.9
67.5°	2459.9	2440.3	2595.2	2840.4	2997.4	3071.9	3089.6	3015.0	2846.3	2599.2	2465.8
70°	2283.3	2291.2	2463.8	2697.2	2869.9	2940.5	2952.3	2871.8	2695.3	2481.5	2326.5
72.5°	2097.0	2116.6	2261.8	2497.2	2652.1	2720.8	2742.4	2658.0	2508.9	2289.2	2128.4
75°	1838.1	1875.3	2014.6	2226.5	2381.4	2485.4	2507.0	2397.1	2218.6	2028.3	1873.4
77.5°	1551.7	1577.2	1710.5	1893.0	2059.7	2112.7	2132.3	2079.3	1902.8	1734.1	1588.9
80°	1220.1	1229.9	1365.3	1510.5	1639.9	1683.1	1712.5	1645.8	1526.2	1373.1	1231.9
82.5°	837.6	851.3	947.5	1080.9	1194.6	1212.3	1249.6	1194.6	1082.8	965.1	859.2
85°	435.5	455.1	529.6	602.2	690.5	712.1	723.8	682.6	623.8	527.7	457.1
87.5°	94.2	104.0	115.7	149.1	178.5	204.0	221.7	184.4	147.1	123.6	94.2
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°	794.5
2.5°	806.2
5°	820.0
7.5°	825.8
10°	839.6
12.5°	865.1
15°	904.3
17.5°	953.4
20°	1006.3
22.5°	1053.4
25°	1110.3
27.5°	1175.0
30°	1241.7
32.5°	1296.6
35°	1373.1
37.5°	1498.7
40°	1649.7
42.5°	1771.4
45°	1871.4
47.5°	1983.2
50°	2095.0
52.5°	2238.2
55°	2379.5
57.5°	2452.0
60°	2497.2
62.5°	2532.5
65°	2536.4
67.5°	2434.4
70°	2279.4
72.5°	2102.9
75°	1843.9
77.5°	1571.3
80°	1220.1
82.5°	857.2
85°	449.2
87.5°	88.3
90°	0.0

(END OF REPORT)