

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: P197796

Luminaire Tested: **TT-C6-LED-E1-5WQ-PM-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197796
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-E1-5WQ-PM-7060
Description: TOPTIER LED AREA/SITE LUMINAIRE
WIDE DISTRIBUTION
Light Source: (160) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11149.8 lumens
Efficiency: N/A
Efficacy: 103.2 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G3

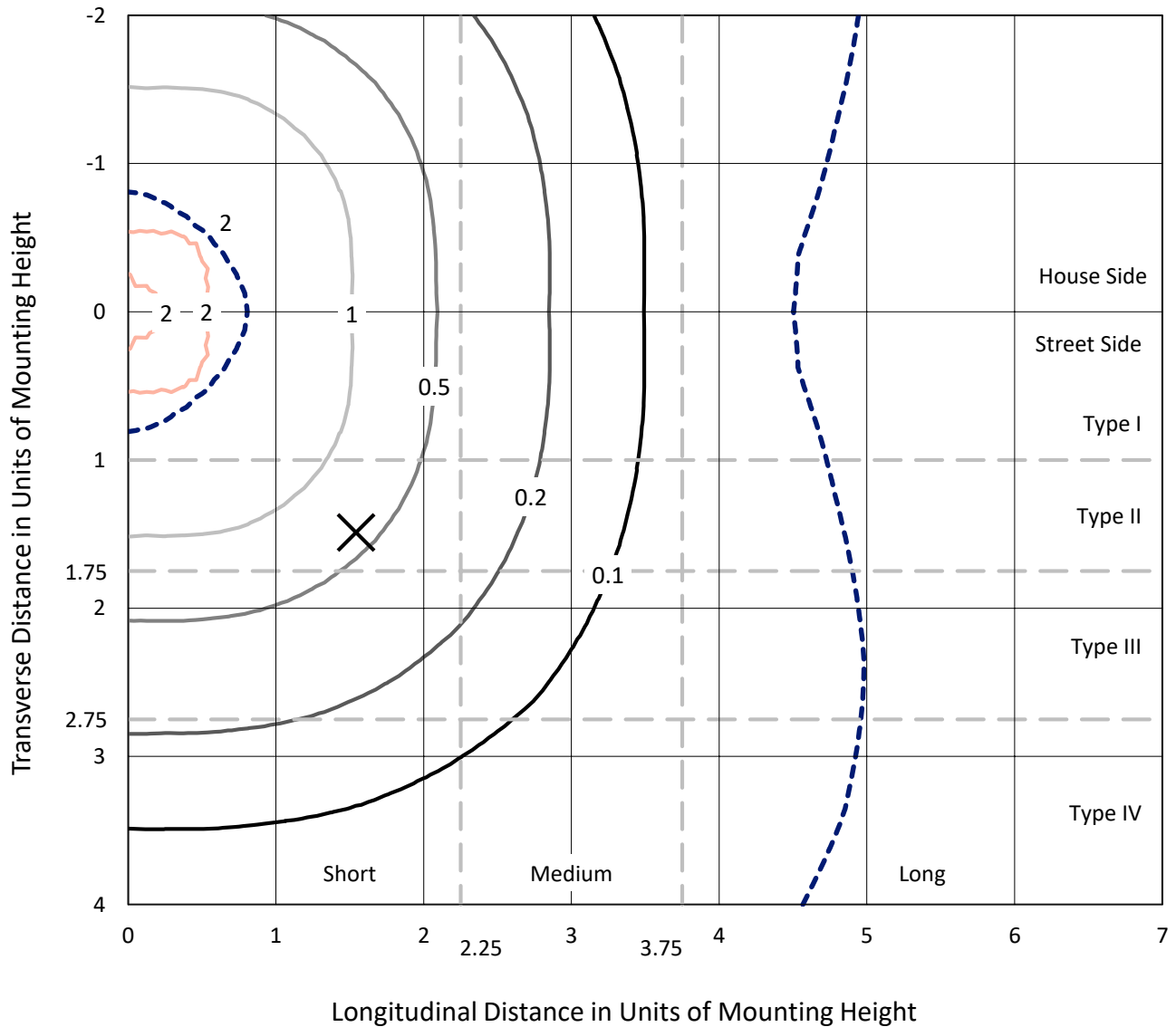
Input Watts (W): 108
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

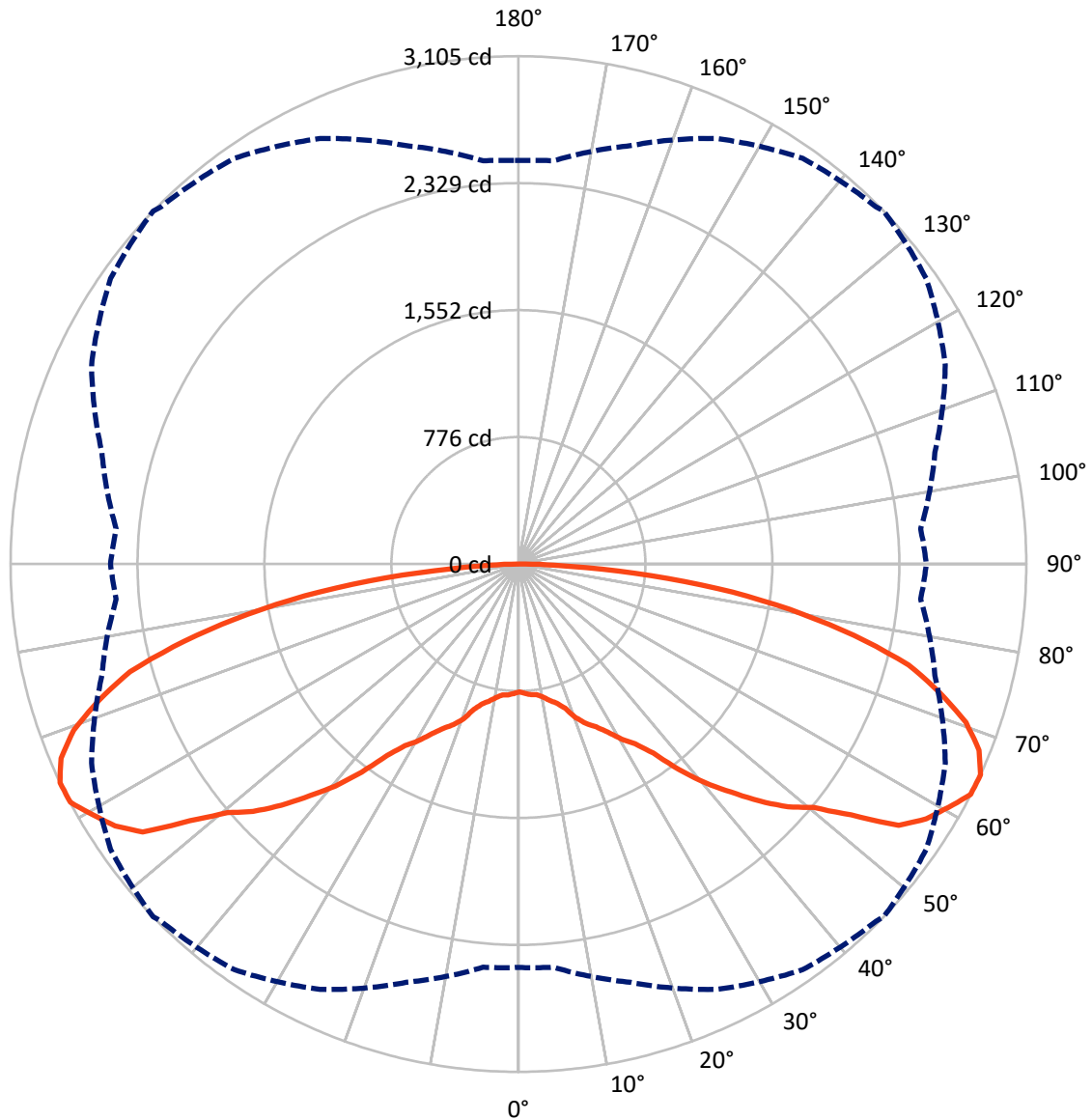
× Max cd
 - - - 1/2 Max cd



Based on 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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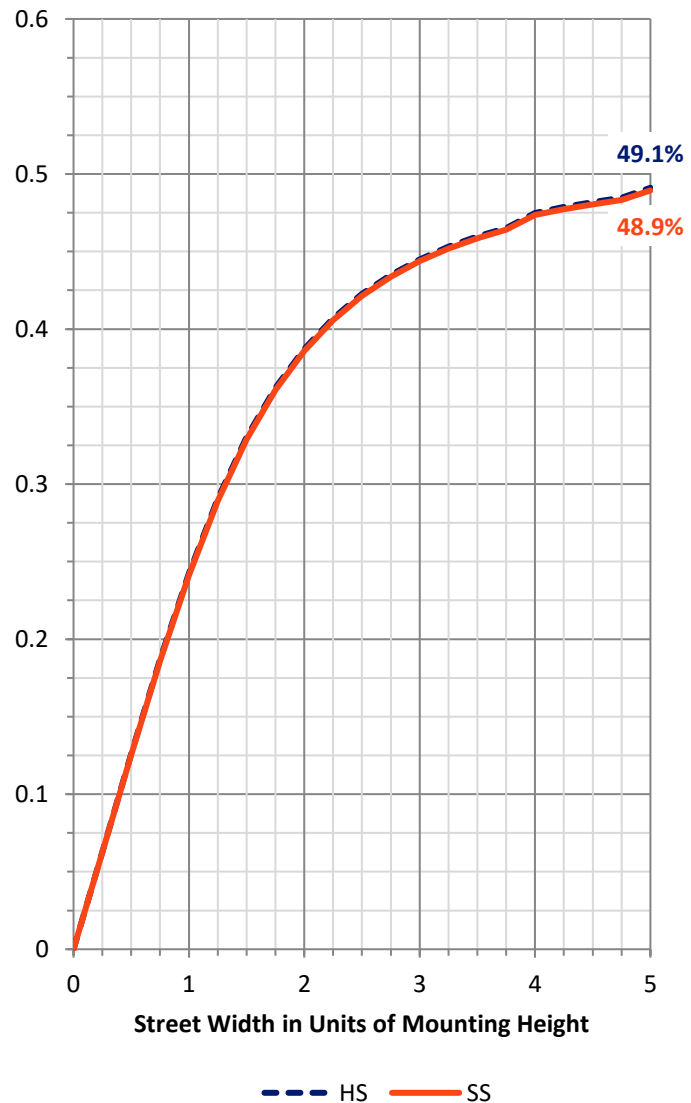
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5574.9	0.0	5574.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5574.9	0.0	5574.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	11149.8	0.0	11149.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.3	0.7
10°-20°	257.4	2.3
20°-30°	518.0	4.6
30°-40°	902.0	8.1
40°-50°	1525.5	13.7
50°-60°	2273.8	20.4
60°-70°	2721.2	24.4
70°-80°	2203.3	19.8
80°-90°	671.3	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°	11149.8	100.0
0°-180°	11149.8	100.0



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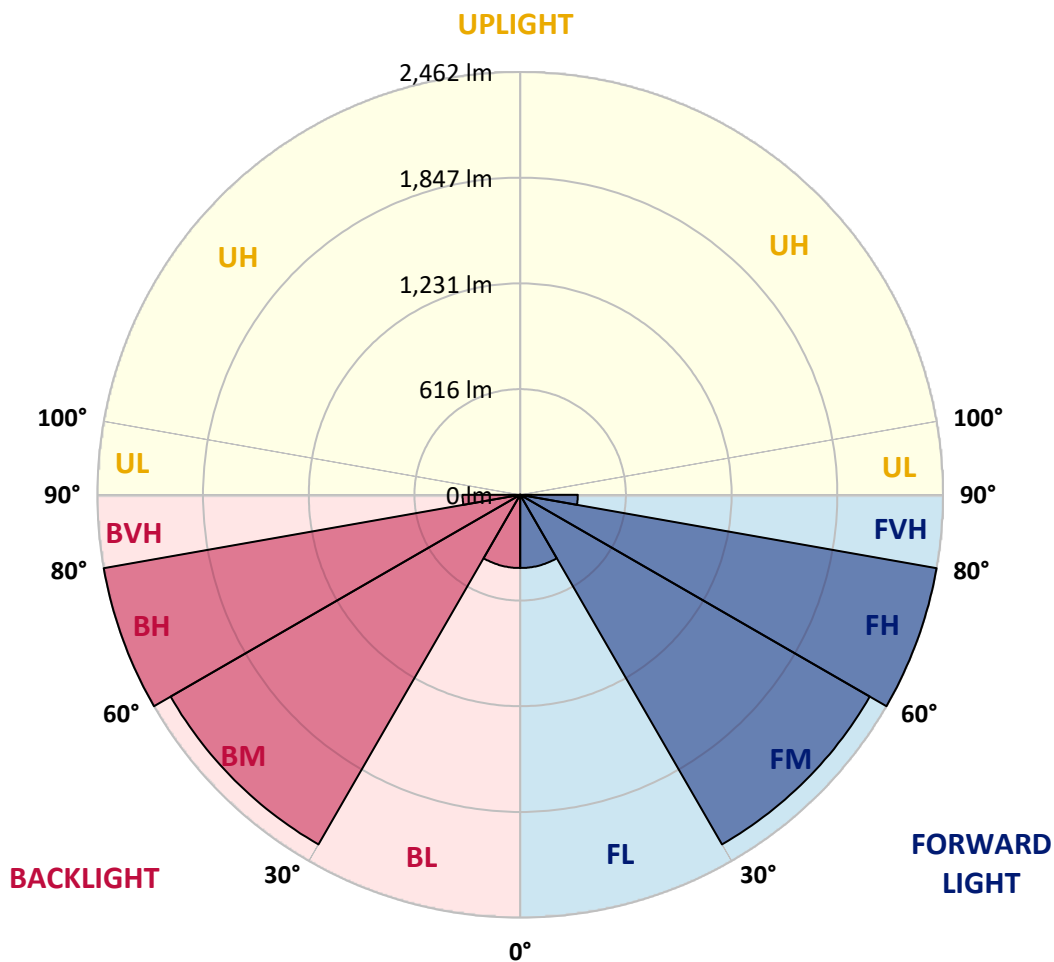
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	426.4	3.8			
FM	(30°-60°)	2350.7	21.1			
FH	(60°-80°)	2462.3	22.1			G2/5000
FVH	(80°-90°)	335.6	3.0			G3/500
BL	(0°-30°)	426.4	3.8	B1/500		
BM	(30°-60°)	2350.7	21.1	B2/2500		
BH	(60°-80°)	2462.3	22.1	B3/2500		G2/5000
BVH	(80°-90°)	335.6	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°	781.0	781.0	781.0	781.0	781.0	781.0	781.0	781.0	781.0	781.0	781.0
2.5°	794.5	792.6	792.6	792.6	792.6	792.6	792.6	792.6	792.6	792.6	794.5
5°	808.0	808.0	806.1	804.1	804.1	802.2	802.2	802.2	804.1	806.1	806.1
7.5°	813.8	811.9	811.9	809.9	808.0	808.0	806.1	808.0	809.9	811.9	811.9
10°	825.4	827.3	829.2	831.1	833.1	831.1	827.3	831.1	831.1	829.2	825.4
12.5°	852.4	852.4	858.1	863.9	863.9	862.0	856.2	863.9	862.0	856.2	852.4
15°	889.0	890.9	890.9	896.7	892.9	889.0	883.2	892.9	892.9	889.0	887.1
17.5°	941.1	937.2	931.4	935.3	939.1	939.1	927.6	939.1	931.4	927.6	933.3
20°	998.9	997.0	995.1	998.9	1014.3	1008.6	1002.8	1010.5	1000.8	987.3	991.2
22.5°	1043.3	1047.1	1052.9	1058.7	1074.1	1070.3	1058.7	1072.2	1056.8	1052.9	1041.3
25°	1099.2	1097.3	1112.7	1112.7	1122.3	1116.5	1103.0	1122.3	1106.9	1112.7	1095.3
27.5°	1155.1	1153.2	1164.8	1164.8	1182.1	1180.2	1162.8	1182.1	1164.8	1160.9	1155.1
30°	1218.8	1214.9	1216.8	1232.2	1257.3	1257.3	1241.9	1251.5	1232.2	1213.0	1211.0
32.5°	1286.2	1278.5	1290.1	1315.2	1328.7	1324.8	1309.4	1324.8	1319.0	1286.2	1278.5
35°	1351.8	1361.5	1382.7	1403.9	1428.9	1432.8	1419.3	1427.0	1405.8	1380.7	1361.5
37.5°	1461.7	1477.2	1504.2	1554.3	1592.9	1604.4	1592.9	1589.0	1558.1	1502.2	1475.2
40°	1616.0	1619.9	1656.5	1731.7	1772.2	1779.9	1758.7	1764.5	1727.8	1666.1	1608.3
42.5°	1741.3	1735.6	1801.1	1868.6	1911.0	1928.4	1905.3	1913.0	1862.8	1803.1	1739.4
45°	1843.6	1849.3	1916.8	1984.3	2051.8	2084.6	2067.2	2053.7	1980.5	1913.0	1857.1
47.5°	1938.0	1965.0	2011.3	2109.7	2194.5	2231.2	2217.7	2198.4	2121.2	2009.4	1967.0
50°	2057.6	2075.0	2130.9	2258.2	2337.2	2350.7	2339.2	2339.2	2265.9	2136.7	2078.8
52.5°	2186.8	2188.7	2271.7	2402.8	2503.1	2557.1	2547.4	2520.4	2404.7	2290.9	2196.5
55°	2341.1	2319.9	2449.1	2586.0	2736.4	2825.1	2821.3	2763.4	2605.3	2454.9	2329.5
57.5°	2427.9	2431.7	2549.3	2755.7	2900.3	2925.4	2938.9	2904.2	2784.6	2553.2	2454.9
60°	2447.1	2493.4	2601.4	2829.0	2942.7	3016.0	3019.9	2962.0	2836.7	2616.8	2512.7
62.5°	2454.9	2510.8	2643.8	2825.1	3018.0	3089.3	3102.8	3043.0	2840.5	2649.6	2497.3
65°	2466.4	2474.1	2647.7	2869.5	3027.6	3089.3	3104.7	3043.0	2879.1	2636.1	2468.4
67.5°	2418.2	2398.9	2551.3	2792.3	2946.6	3019.9	3037.2	2964.0	2798.1	2555.1	2424.0
70°	2244.7	2252.4	2422.1	2651.6	2821.3	2890.7	2902.2	2823.2	2649.6	2439.4	2287.1
72.5°	2061.5	2080.7	2223.4	2454.9	2607.2	2674.7	2695.9	2613.0	2466.4	2250.4	2092.3
75°	1806.9	1843.6	1980.5	2188.7	2341.1	2443.3	2464.5	2356.5	2181.0	1994.0	1841.6
77.5°	1525.4	1550.4	1681.6	1860.9	2024.8	2076.9	2096.2	2044.1	1870.6	1704.7	1562.0
80°	1199.5	1209.1	1342.2	1484.9	1612.1	1654.6	1683.5	1617.9	1500.3	1349.9	1211.0
82.5°	823.4	836.9	931.4	1062.5	1174.4	1191.8	1228.4	1174.4	1064.5	948.8	844.6
85°	428.1	447.4	520.7	592.0	678.8	700.0	711.6	671.1	613.2	518.7	449.3
87.5°	92.6	102.2	113.8	146.6	175.5	200.6	217.9	181.3	144.6	121.5	92.6
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°	781.0
2.5°	792.6
5°	806.1
7.5°	811.9
10°	825.4
12.5°	850.4
15°	889.0
17.5°	937.2
20°	989.3
22.5°	1035.6
25°	1091.5
27.5°	1155.1
30°	1220.7
32.5°	1274.7
35°	1349.9
37.5°	1473.3
40°	1621.8
42.5°	1741.3
45°	1839.7
47.5°	1949.6
50°	2059.5
52.5°	2200.3
55°	2339.2
57.5°	2410.5
60°	2454.9
62.5°	2489.6
65°	2493.4
67.5°	2393.1
70°	2240.8
72.5°	2067.2
75°	1812.7
77.5°	1544.7
80°	1199.5
82.5°	842.7
85°	441.6
87.5°	86.8
90°	0.0

(END OF REPORT)