

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: STREETWORKS

Report Number: P266425

Luminaire Tested: **UTLD-AF24-70-D-U-5WQ-7027**

Issue Date: 5/28/2020

Test Information

Test Method: LM-79-08
Report Number: P266425
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1710-388-9-U0)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 5/28/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UTLD-AF24-70-D-U-5WQ-7027
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) 70 CRI, 2700K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
PHOTOMETRIC DATA REPORTED FOR LOWER HEMISPHERE ONLY. MINIMAL LIGHT IN
UPPER HEMISPHERE NOT REPORTED.
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6617.2 lumens
Efficiency: N/A
Efficacy: 89.4 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B3 - U0 - G2

Input Watts (W): 74
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

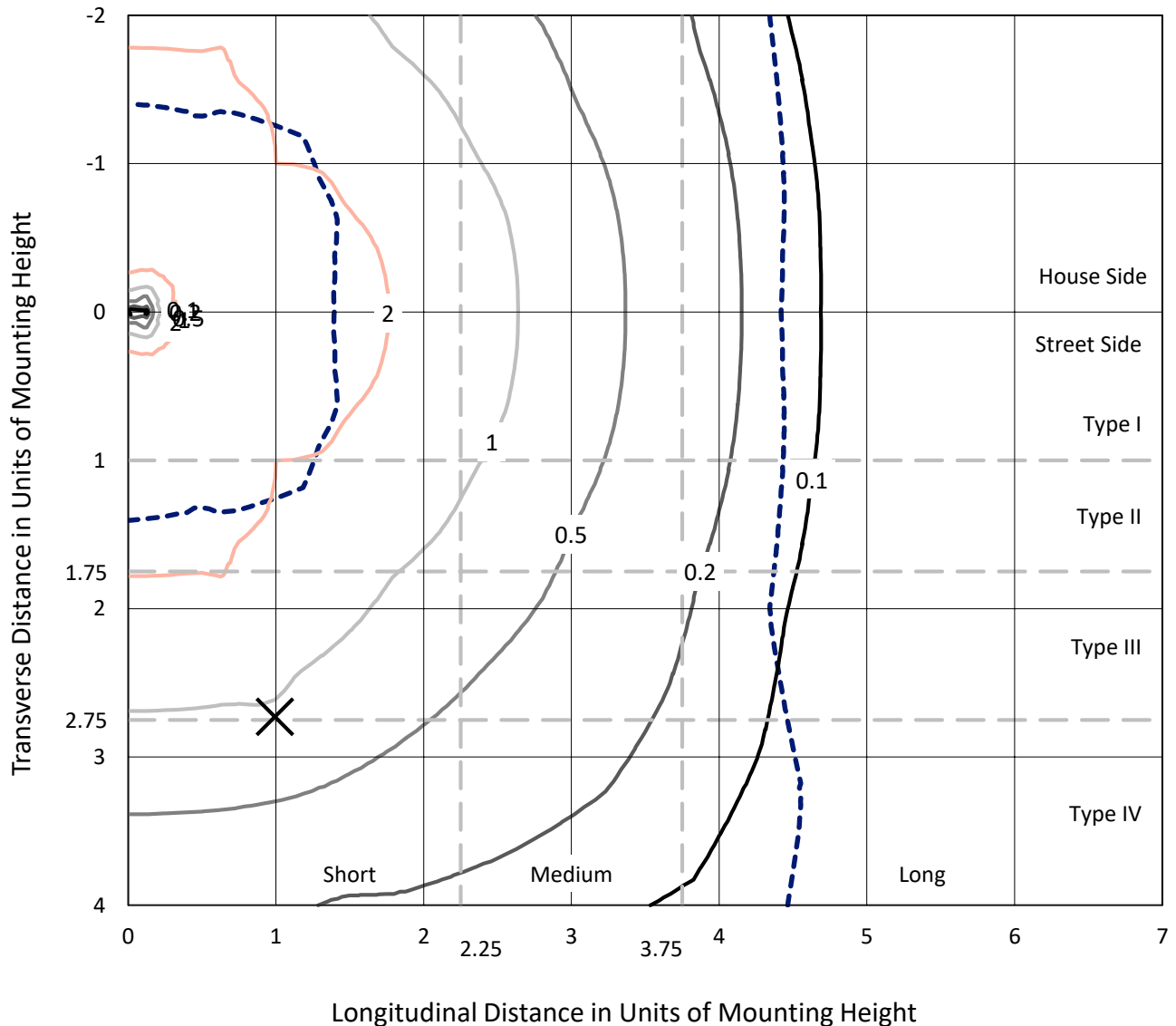


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

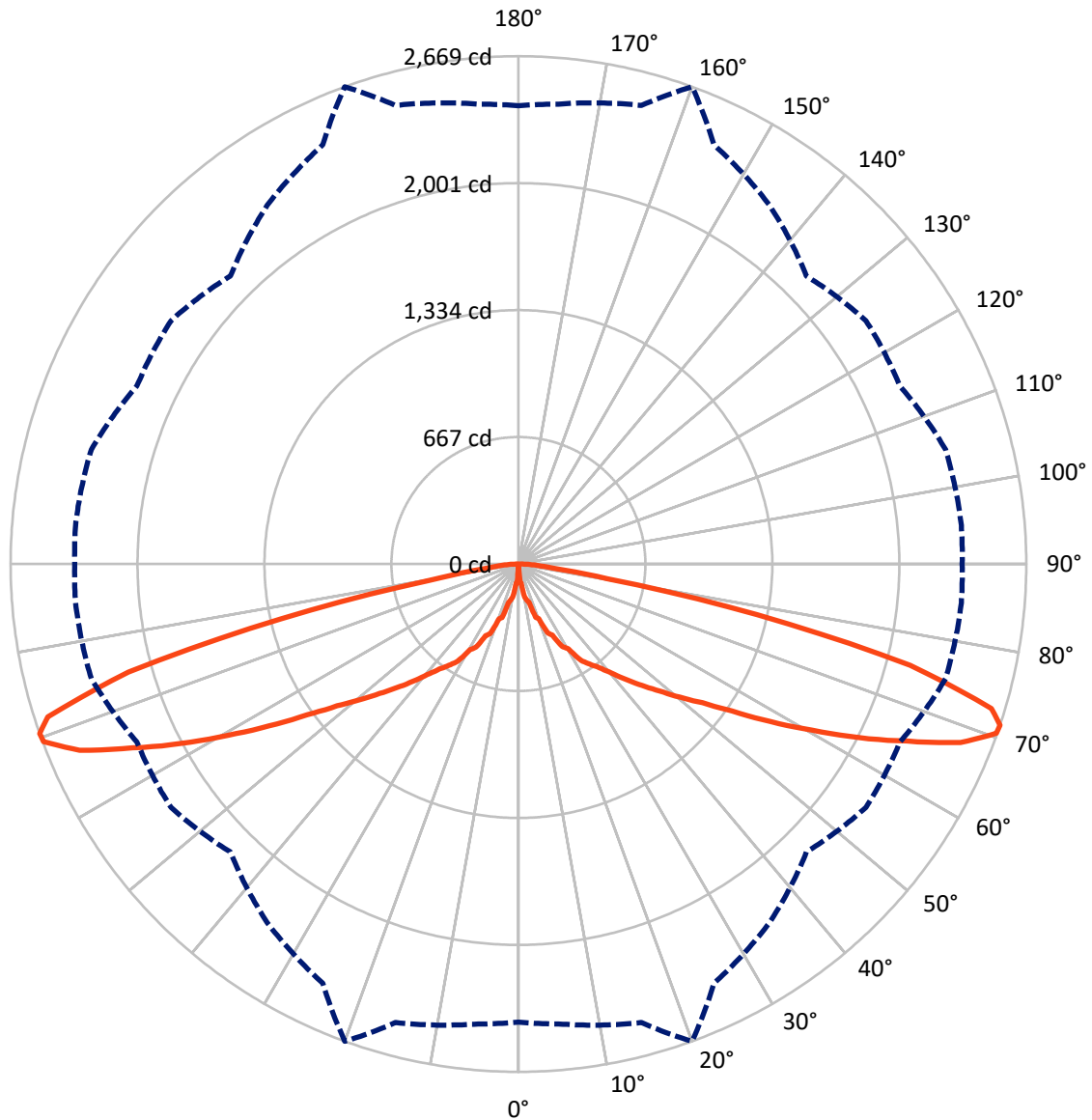


Based on 10 foot mounting height. Maximum calculated value = 4 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 20-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

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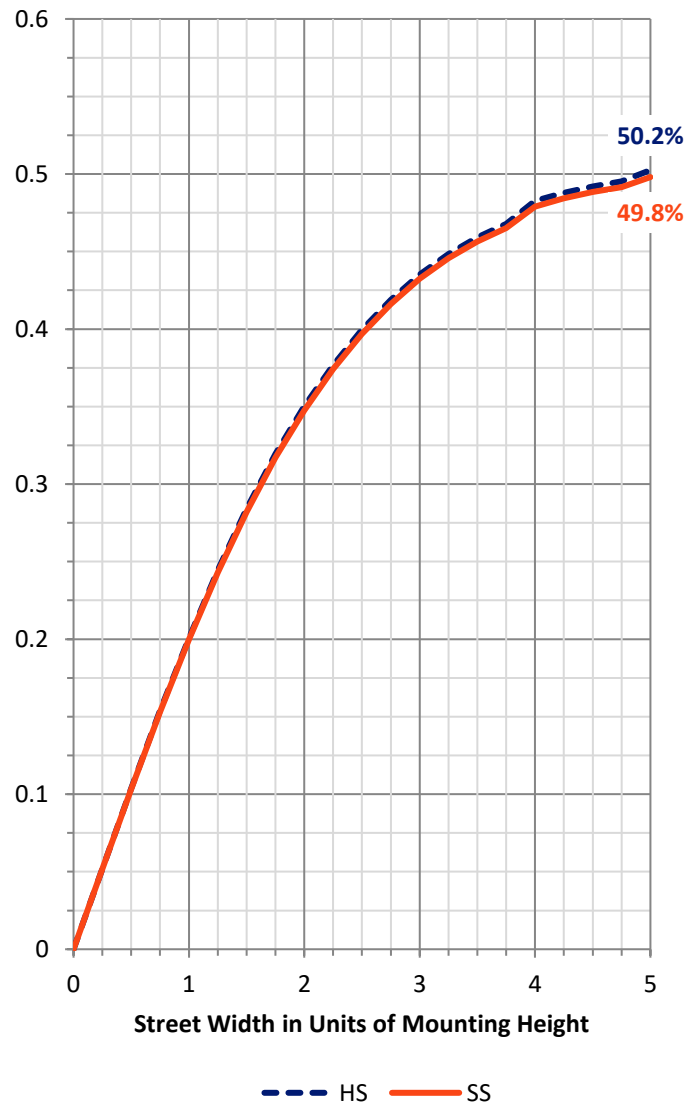
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3308.6	0.0	3308.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3308.6	0.0	3308.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	6617.2	0.0	6617.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.4	0.1
10°-20°	54.7	0.8
20°-30°	185.1	2.8
30°-40°	377.2	5.7
40°-50°	646.1	9.8
50°-60°	1138.2	17.2
60°-70°	1938.5	29.3
70°-80°	2005.1	30.3
80°-90°	267.9	4.0
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°	6617.2	100.0
0°-180°	6617.2	100.0



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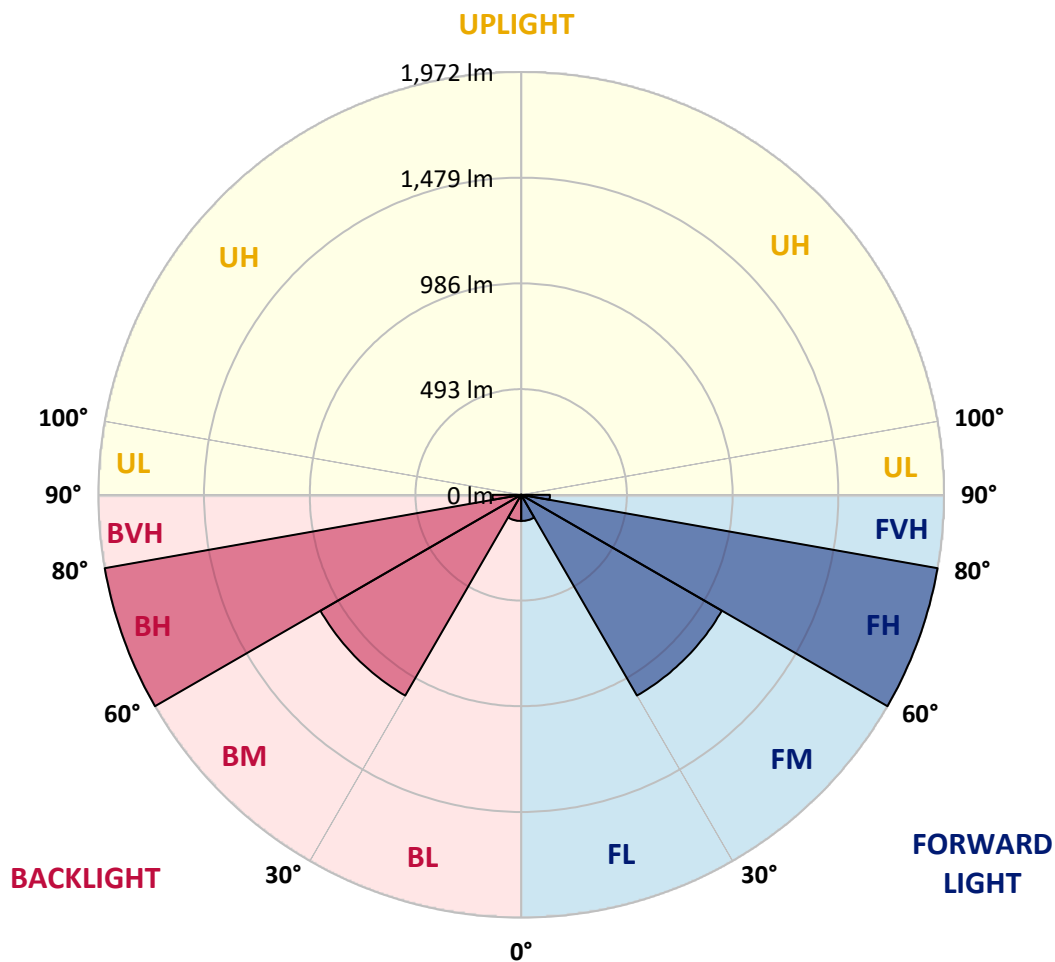
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	122.1	1.8			
FM (30°-60°)	1080.8	16.3			
FH (60°-80°)	1971.8	29.8			G2/5000
FVH (80°-90°)	133.9	2.0			G2/225
BL (0°-30°)	122.1	1.8	B1/500		
BM (30°-60°)	1080.8	16.3	B2/2500		
BH (60°-80°)	1971.8	29.8	B3/2500		G2/5000
BVH (80°-90°)	133.9	2.0			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
0°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
2.5°	14.7	14.0	13.2	24.3	12.4	10.3	5.1	3.0	2.2	2.2	2.2
5°	52.1	52.1	52.1	99.8	51.5	49.9	43.3	38.2	10.3	3.0	2.2
7.5°	91.0	91.0	70.4	101.2	61.7	52.9	50.7	49.1	39.6	8.1	3.7
10°	145.3	144.6	140.2	174.0	134.3	100.6	60.9	51.5	45.5	25.0	15.5
12.5°	156.3	154.9	151.3	193.0	146.1	142.4	110.1	75.5	101.2	151.3	128.5
15°	234.9	236.3	207.8	209.9	184.2	150.5	165.2	195.3	162.2	174.0	148.3
17.5°	258.4	256.9	251.9	294.4	241.6	201.8	224.7	229.1	195.3	228.3	232.8
20°	320.9	316.5	296.6	305.5	257.6	281.9	263.6	268.0	301.0	295.2	300.3
22.5°	372.2	371.4	361.9	393.5	322.3	317.1	301.7	326.7	332.6	322.3	370.7
25°	422.8	418.4	377.4	414.1	366.2	364.8	360.5	357.5	395.0	429.5	452.9
27.5°	480.9	478.6	464.0	490.4	426.5	389.1	391.3	416.3	439.0	450.8	527.8
30°	536.6	535.8	486.7	517.6	473.4	444.9	430.9	454.5	497.0	568.9	616.0
32.5°	614.5	611.6	577.0	603.4	515.4	487.5	477.2	494.1	555.1	590.2	640.1
35°	698.9	695.9	624.7	646.1	564.6	525.6	506.6	545.5	569.6	622.5	679.1
37.5°	743.0	737.8	701.0	690.7	637.9	574.0	547.6	572.0	604.2	663.7	720.9
40°	795.1	792.8	762.8	752.5	682.7	619.7	579.9	607.2	652.6	712.0	777.5
42.5°	857.4	855.9	828.9	829.6	741.6	676.9	619.7	658.5	706.2	784.8	857.4
45°	933.1	927.9	909.5	910.3	816.3	740.1	676.2	726.8	762.8	855.2	939.0
47.5°	1018.1	1017.5	996.8	996.8	891.9	814.1	743.6	812.6	852.3	961.6	1026.4
50°	1115.9	1114.3	1099.7	1099.7	991.1	894.9	825.2	908.0	951.5	1057.1	1128.4
52.5°	1223.0	1222.4	1218.6	1210.6	1101.2	1008.0	927.9	1022.6	1060.1	1178.2	1239.9
55°	1350.8	1360.4	1357.3	1363.3	1245.8	1148.2	1052.8	1154.9	1195.1	1314.1	1361.0
57.5°	1513.0	1510.1	1524.8	1562.2	1415.4	1327.2	1209.8	1325.8	1340.5	1452.7	1496.8
60°	1661.3	1665.0	1693.7	1773.0	1591.5	1531.4	1397.0	1507.8	1508.7	1604.8	1637.8
62.5°	1819.8	1826.6	1875.8	2010.0	1777.2	1737.7	1601.9	1686.9	1679.7	1763.4	1796.4
65°	1998.3	2007.2	2073.8	2244.2	1984.4	1935.2	1794.2	1862.5	1860.3	1971.9	1968.9
67.5°	2214.9	2225.9	2286.0	2504.8	2230.2	2119.5	1956.5	2039.4	2032.1	2142.8	2134.8
70°	2388.1	2399.8	2465.2	2664.8	2395.4	2261.8	2093.7	2183.3	2189.2	2293.5	2305.1
71°	2407.9	2425.6	2494.6	2668.5	2430.6	2300.7	2139.9	2228.9	2211.8	2323.5	2336.0
72.5°	2349.2	2366.0	2456.3	2599.5	2445.4	2319.2	2207.6	2261.2	2195.0	2300.0	2300.0
75°	1993.9	1993.9	2120.9	2126.0	2231.7	2235.4	2252.9	2206.1	1999.0	2006.4	1973.3
77.5°	1244.3	1257.5	1390.4	1281.8	1624.7	1896.2	2082.0	1880.2	1531.4	1389.7	1281.8
80°	472.8	466.8	621.1	474.2	863.4	1280.4	1567.4	1285.5	812.0	535.2	401.5
82.5°	108.7	138.8	192.3	186.5	287.7	565.3	870.6	571.1	260.6	202.6	156.3
85°	53.5	56.6	96.2	102.0	114.5	154.9	288.5	177.7	133.6	132.9	97.6
87.5°	22.0	25.7	53.5	52.1	51.5	64.6	58.7	83.0	85.2	90.3	57.2
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°	2.2
2.5°	2.2
5°	2.2
7.5°	3.7
10°	15.5
12.5°	122.6
15°	154.9
17.5°	232.0
20°	301.7
22.5°	378.8
25°	450.8
27.5°	538.2
30°	621.1
32.5°	663.7
35°	696.6
37.5°	737.8
40°	790.7
42.5°	862.6
45°	942.6
47.5°	1031.4
50°	1134.2
52.5°	1242.8
55°	1360.4
57.5°	1500.6
60°	1632.0
62.5°	1795.6
65°	1964.6
67.5°	2132.7
70°	2294.9
71°	2331.6
72.5°	2286.0
75°	1966.0
77.5°	1259.1
80°	381.7
82.5°	146.1
85°	93.2
87.5°	53.5
90°	0.0

(END OF REPORT)