

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: P266289

Luminaire Tested: **UTLD-AF24-30-D-U-5WQ-7027**

Issue Date: 5/28/2020

Test Information

Test Method: LM-79-08
Report Number: P266289
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-AF24-30-D-U-5WQ-7027
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) 70 CRI, 2700K, 375mA 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: 3052.4 lumens
Efficiency: N/A
Efficacy: 98.5 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: B2 - U0 - G1

Input Watts (W): 31
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



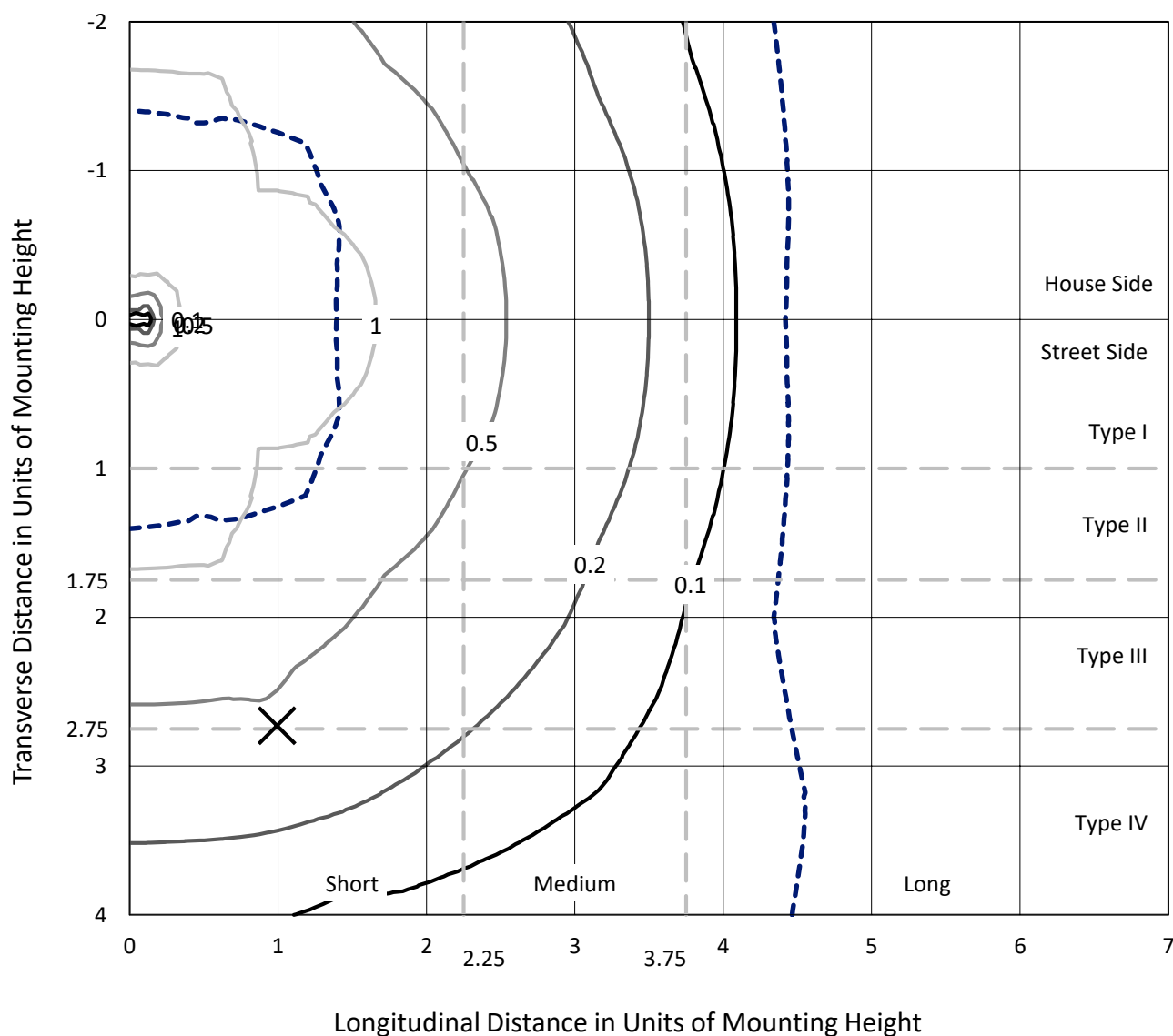
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

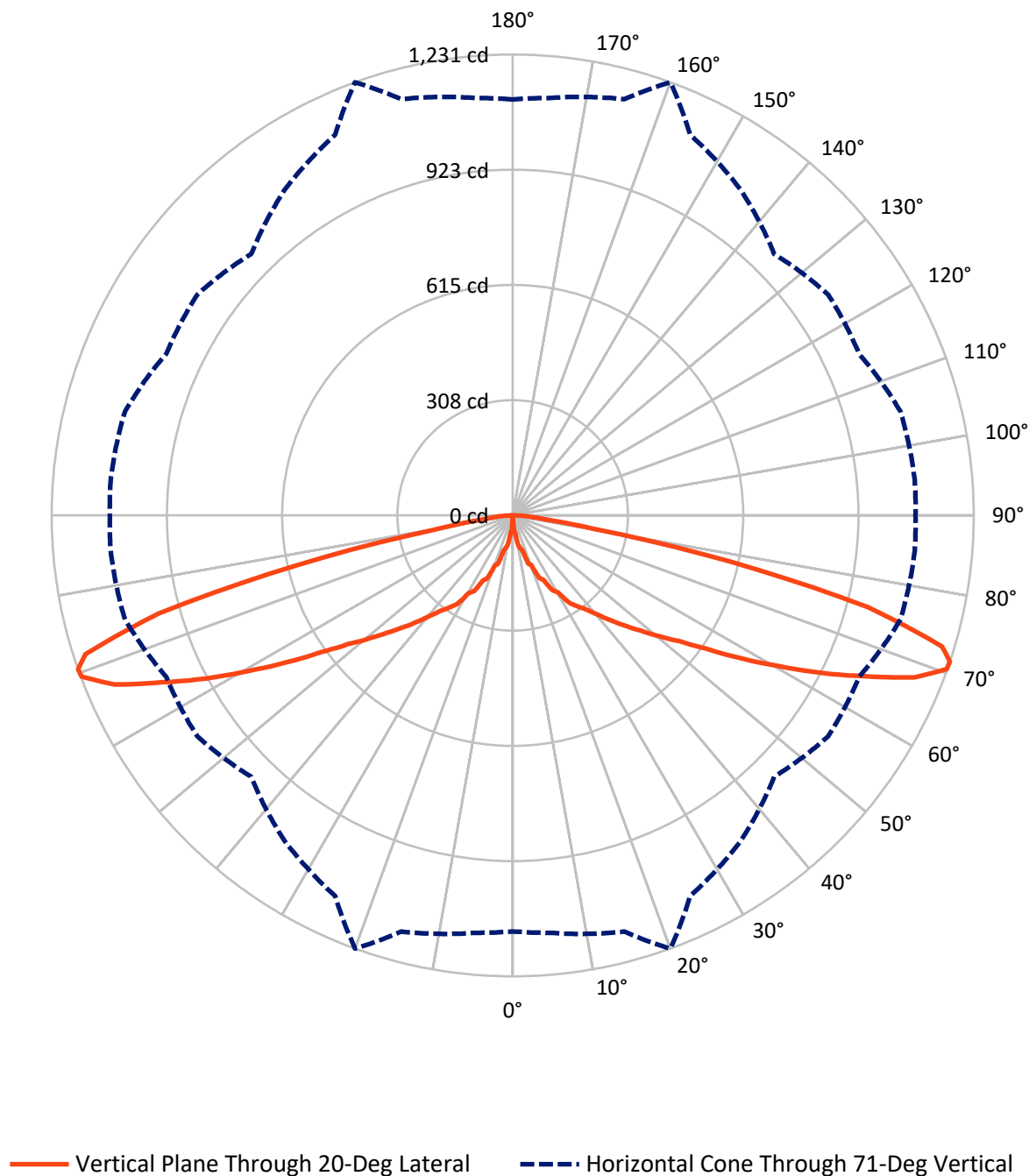


Based on 10 foot mounting height. Maximum calculated value = 1.8 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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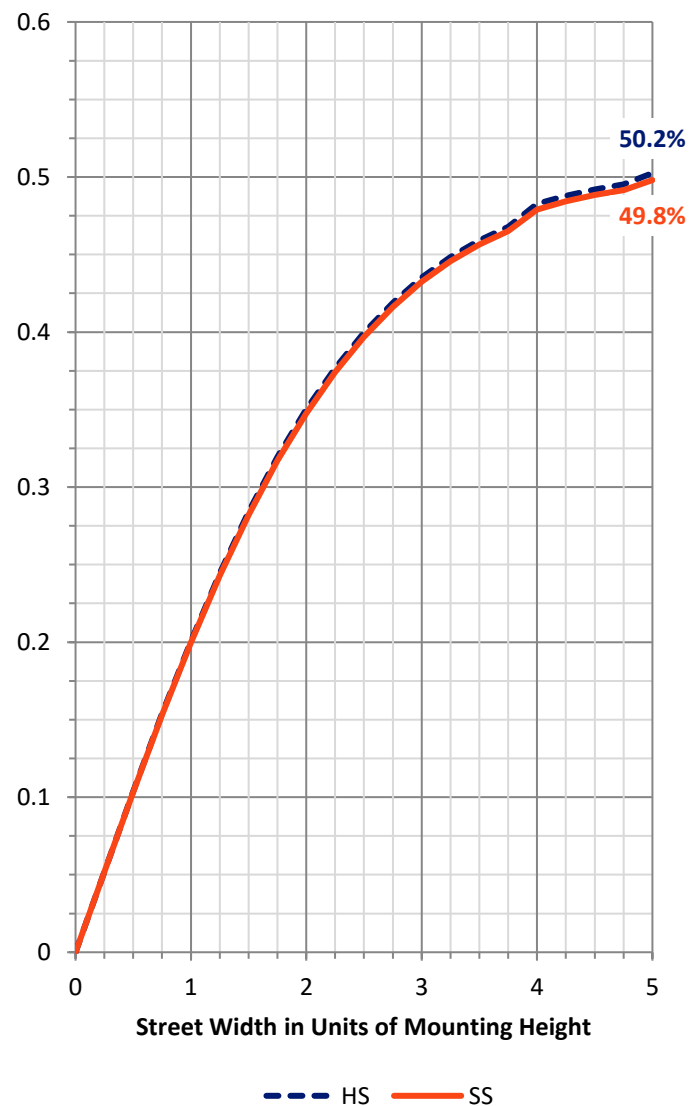
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1526.2	0.0	1526.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1526.2	0.0	1526.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	3052.4	0.0	3052.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.0	0.1
10°-20°	25.2	0.8
20°-30°	85.4	2.8
30°-40°	174.0	5.7
40°-50°	298.0	9.8
50°-60°	525.0	17.2
60°-70°	894.2	29.3
70°-80°	924.9	30.3
80°-90°	123.6	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°	3052.4	100.0
0°-180°	3052.4	100.0

Coefficient of Utilization



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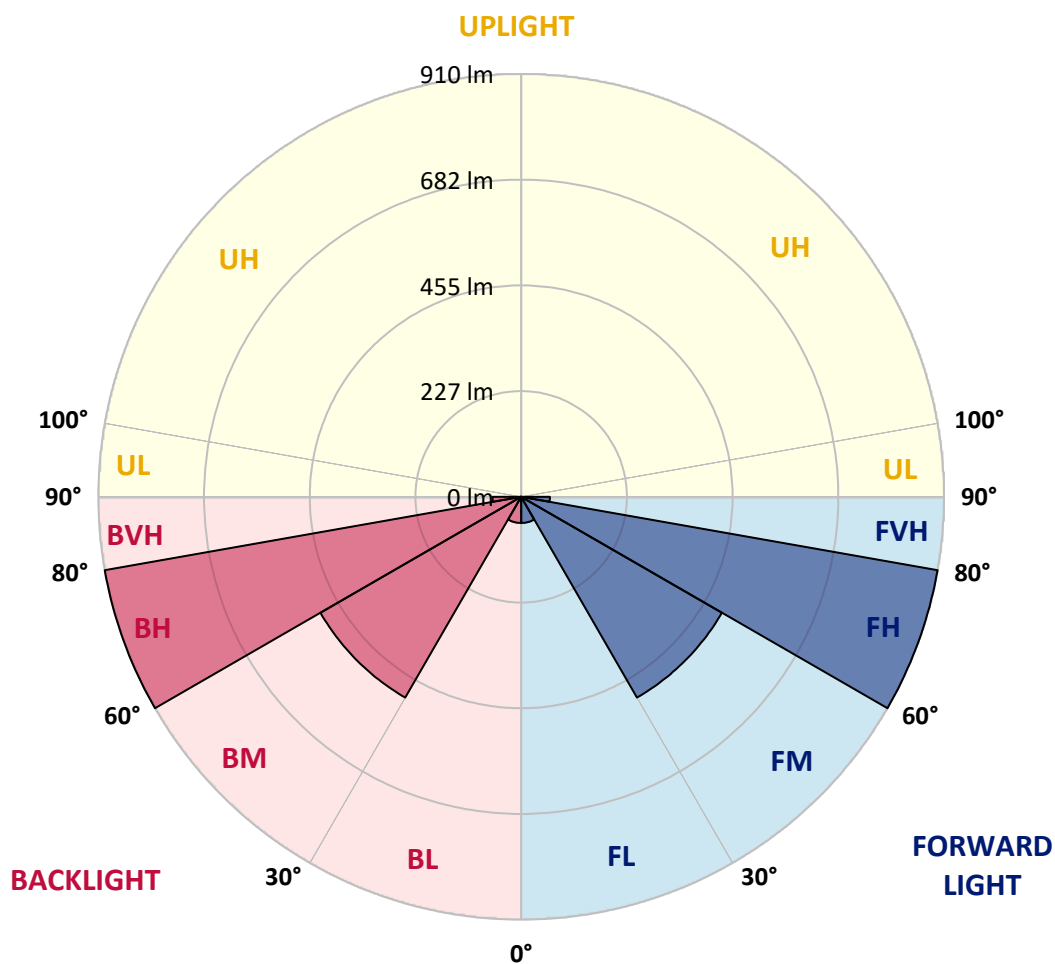
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	56.3	1.8			
FM	(30°-60°)	498.6	16.3			
FH	(60°-80°)	909.5	29.8			G1/1800
FVH	(80°-90°)	61.8	2.0			G1/100
BL	(0°-30°)	56.3	1.8	B0/110		
BM	(30°-60°)	498.6	16.3	B1/1000		
BH	(60°-80°)	909.5	29.8	B2/1000		G1/1800
BVH	(80°-90°)	61.8	2.0			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	6.7	6.5	6.1	11.1	5.7	4.8	2.3	1.3	1.0	1.0	1.0
5°	24.1	24.1	24.1	46.1	23.7	23.0	20.0	17.5	4.8	1.3	1.0
7.5°	42.0	42.0	32.5	46.7	28.4	24.3	23.4	22.6	18.2	3.8	1.6
10°	67.1	66.7	64.7	80.3	62.0	46.4	28.0	23.7	21.0	11.5	7.0
12.5°	72.1	71.4	69.8	89.0	67.5	65.7	50.8	34.9	46.7	69.8	59.3
15°	108.3	109.1	95.8	96.8	85.0	69.3	76.1	90.1	74.9	80.3	68.5
17.5°	119.3	118.5	116.2	135.9	111.4	93.2	103.7	105.6	90.1	105.3	107.3
20°	148.0	146.0	136.8	140.9	118.8	130.1	121.6	123.5	138.9	136.2	138.5
22.5°	171.7	171.3	166.9	181.5	148.7	146.3	139.1	150.6	153.4	148.7	170.9
25°	195.0	193.0	174.0	191.0	169.1	168.3	166.2	164.8	182.1	198.0	208.9
27.5°	221.8	220.9	214.1	226.3	196.8	179.5	180.5	192.0	202.5	207.9	243.5
30°	247.6	247.3	224.5	238.7	218.4	205.3	198.7	209.7	229.2	262.5	284.1
32.5°	283.4	282.1	266.2	278.4	237.7	224.8	220.2	227.9	255.9	272.2	295.4
35°	322.4	321.1	288.1	298.0	260.4	242.5	233.6	251.6	262.8	287.2	313.2
37.5°	342.8	340.4	323.4	318.7	294.3	264.8	252.7	263.8	278.7	306.1	332.6
40°	366.8	365.7	351.9	347.1	314.9	285.8	267.5	280.0	301.0	328.5	358.7
42.5°	395.6	394.9	382.3	382.7	342.1	312.3	285.8	303.7	325.7	361.9	395.6
45°	430.4	428.0	419.6	419.9	376.6	341.4	311.9	335.2	351.9	394.5	433.2
47.5°	469.8	469.4	459.9	459.9	411.5	375.5	343.1	374.9	393.2	443.7	473.4
50°	514.6	514.1	507.4	507.4	457.1	412.9	380.6	418.9	438.9	487.6	520.5
52.5°	564.1	563.9	562.2	558.4	507.9	465.0	428.0	471.7	488.9	543.6	572.0
55°	623.2	627.5	626.2	628.9	574.6	529.6	485.7	532.6	551.3	606.1	627.8
57.5°	698.0	696.5	703.4	720.6	652.9	612.3	558.0	611.6	618.4	670.1	690.4
60°	766.3	768.1	781.3	817.8	734.2	706.3	644.4	695.6	695.8	740.3	755.6
62.5°	839.5	842.5	865.2	927.2	819.9	801.6	738.9	778.2	774.8	813.4	828.6
65°	921.8	925.9	956.7	1035.2	915.4	892.6	827.7	859.0	858.2	909.7	908.2
67.5°	1021.7	1026.8	1054.5	1155.4	1028.7	977.6	902.4	940.7	937.3	988.5	984.8
70°	1101.6	1107.0	1137.2	1229.3	1104.9	1043.3	965.8	1007.1	1009.9	1057.9	1063.4
71°	1110.8	1118.8	1150.6	1230.9	1121.3	1061.3	987.1	1028.1	1020.4	1071.8	1077.5
72.5°	1083.6	1091.4	1133.1	1199.1	1128.0	1069.8	1018.3	1043.0	1012.5	1061.0	1061.0
75°	919.8	919.8	978.3	980.7	1029.5	1031.2	1039.2	1017.6	922.1	925.6	910.3
77.5°	573.9	580.0	641.4	591.3	749.5	874.7	960.4	867.3	706.3	641.0	591.3
80°	218.1	215.4	286.5	218.7	398.3	590.5	723.0	592.9	374.6	246.9	185.2
82.5°	50.1	64.0	88.8	86.0	132.8	260.8	401.6	263.5	120.3	93.5	72.1
85°	24.8	26.1	44.3	47.2	52.8	71.4	133.0	81.9	61.7	61.4	45.0
87.5°	10.2	11.9	24.8	24.1	23.7	29.9	27.0	38.3	39.3	41.6	26.4
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°	1.0
2.5°	1.0
5°	1.0
7.5°	1.6
10°	7.0
12.5°	56.6
15°	71.4
17.5°	107.0
20°	139.1
22.5°	174.7
25°	207.9
27.5°	248.2
30°	286.5
32.5°	306.1
35°	321.4
37.5°	340.4
40°	364.7
42.5°	397.9
45°	434.8
47.5°	475.8
50°	523.3
52.5°	573.3
55°	627.5
57.5°	692.1
60°	752.8
62.5°	828.2
65°	906.2
67.5°	983.7
70°	1058.7
71°	1075.5
72.5°	1054.5
75°	906.8
77.5°	580.8
80°	176.1
82.5°	67.5
85°	42.9
87.5°	24.8
90°	0.0

(END OF REPORT)