

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: P239390

Luminaire Tested: **UTLD-AF24-30-D-U-5WQ-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P239390
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1710-388-9-U0)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UTLD-AF24-30-D-U-5WQ-7030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) 70 CRI, 3000K, 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: 3110 lumens
Efficiency: N/A
Efficacy: 100.3 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



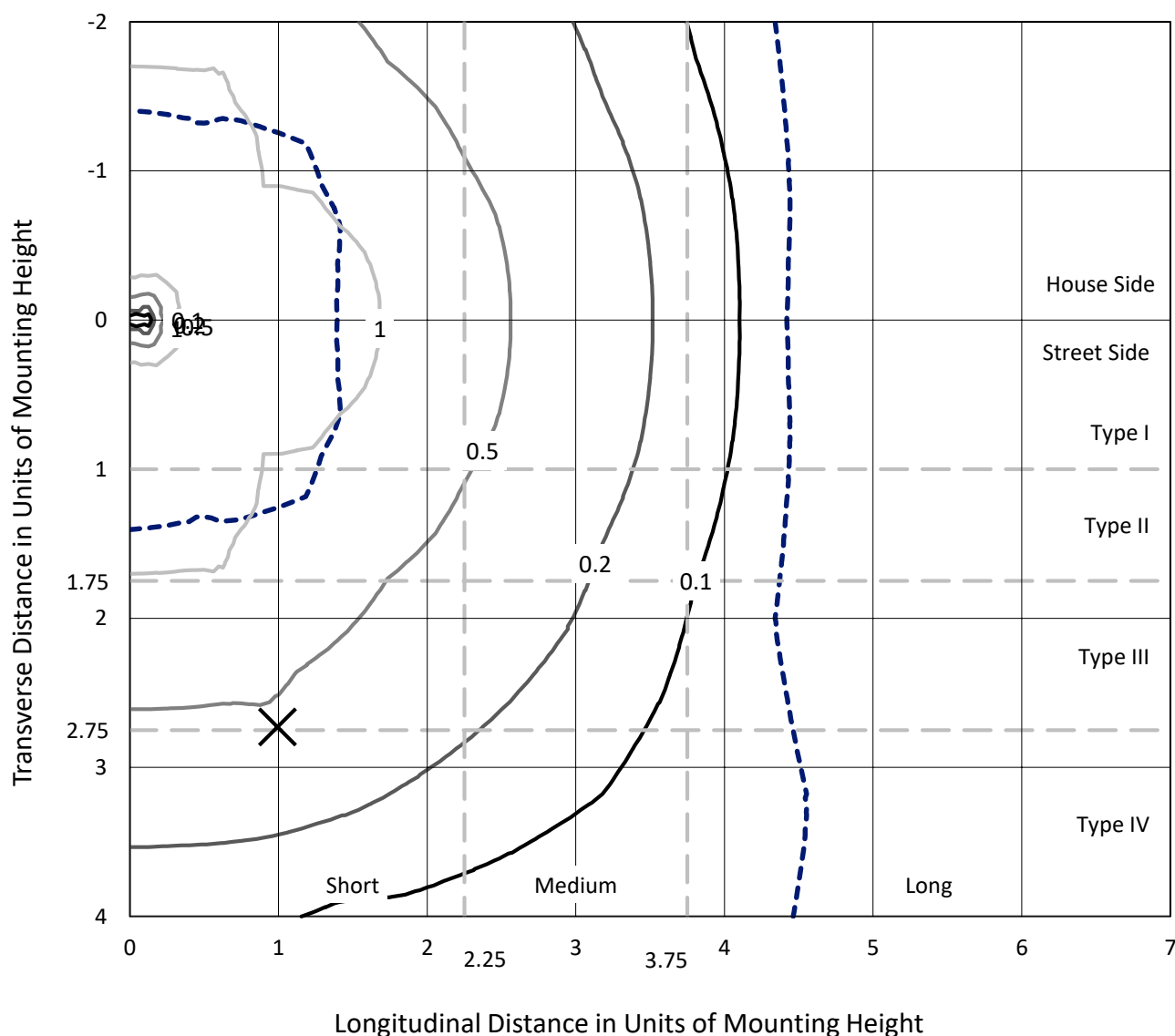
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

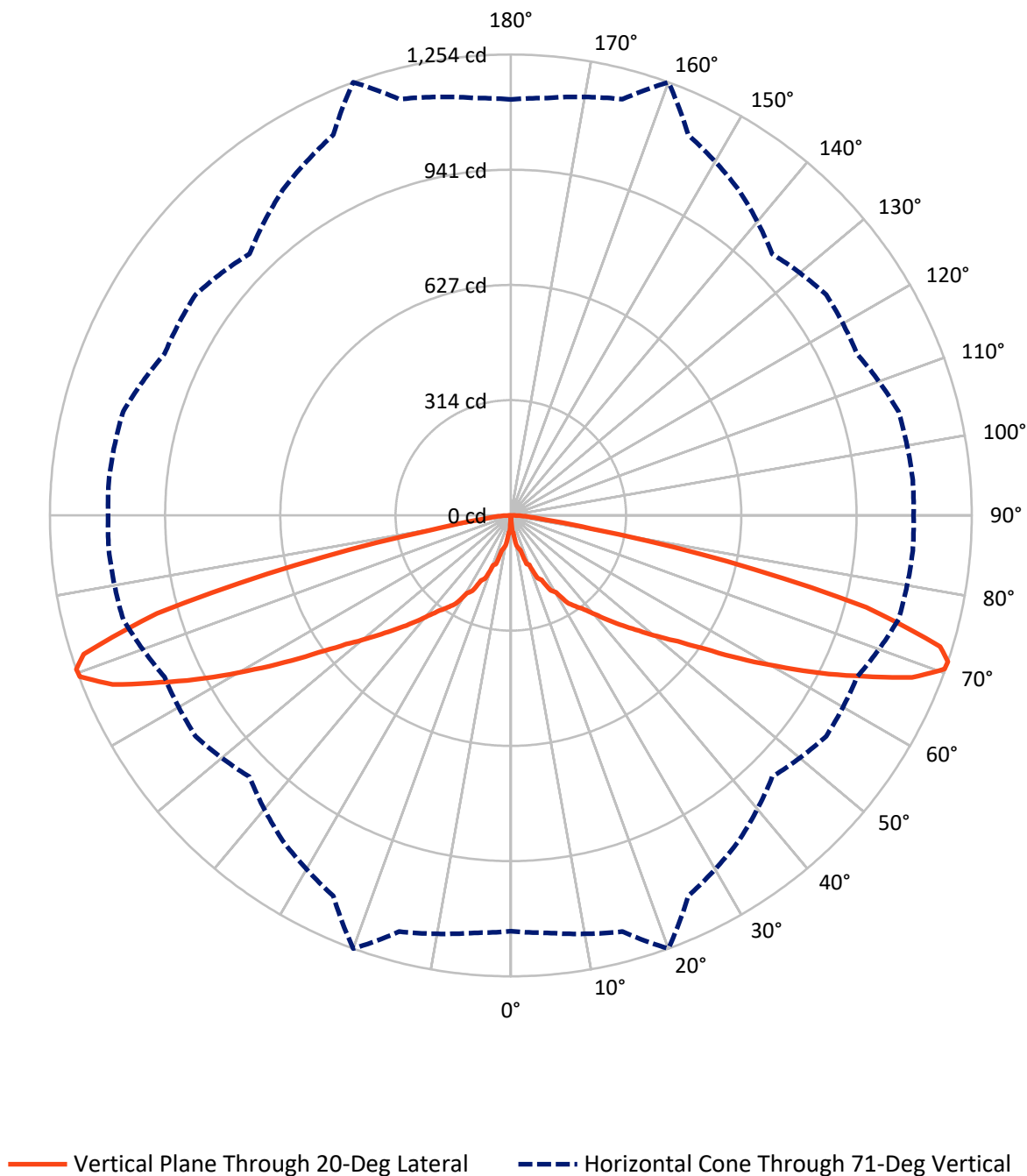


Based on 10 foot mounting height. Maximum calculated value = 1.9 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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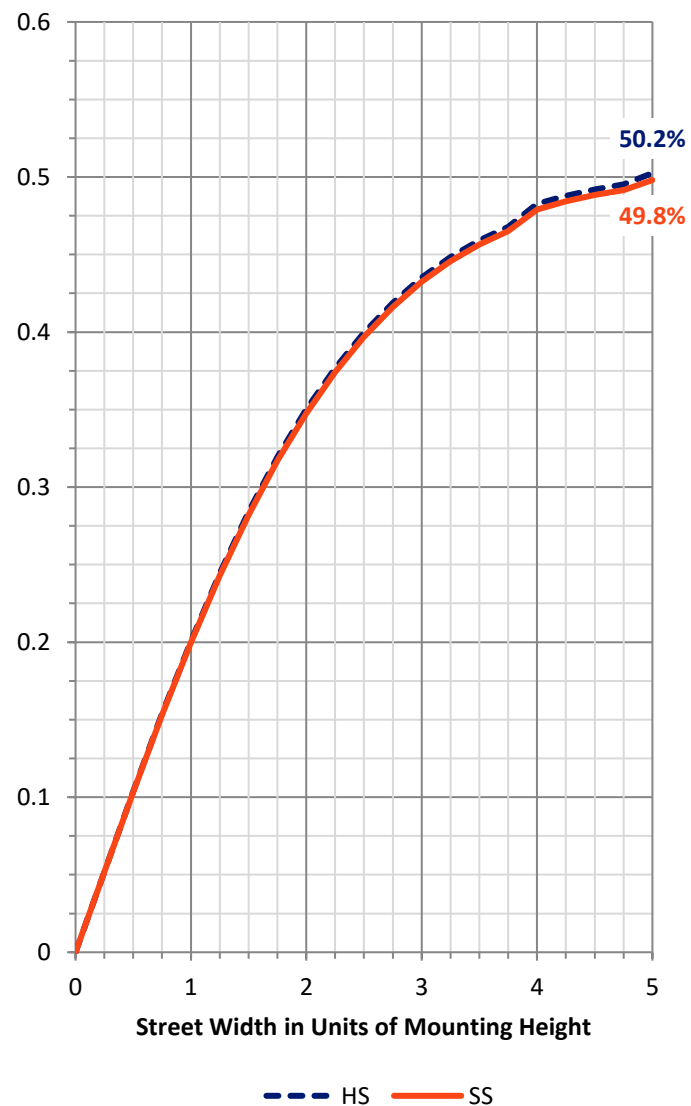
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1555.0	0.0	1555.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1555.0	0.0	1555.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	3110.0	0.0	3110.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.1	0.1
10°-20°	25.7	0.8
20°-30°	87.0	2.8
30°-40°	177.3	5.7
40°-50°	303.6	9.8
50°-60°	535.0	17.2
60°-70°	911.1	29.3
70°-80°	942.4	30.3
80°-90°	125.9	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°	3110.0	100.0
0°-180°	3110.0	100.0

Coefficient of Utilization



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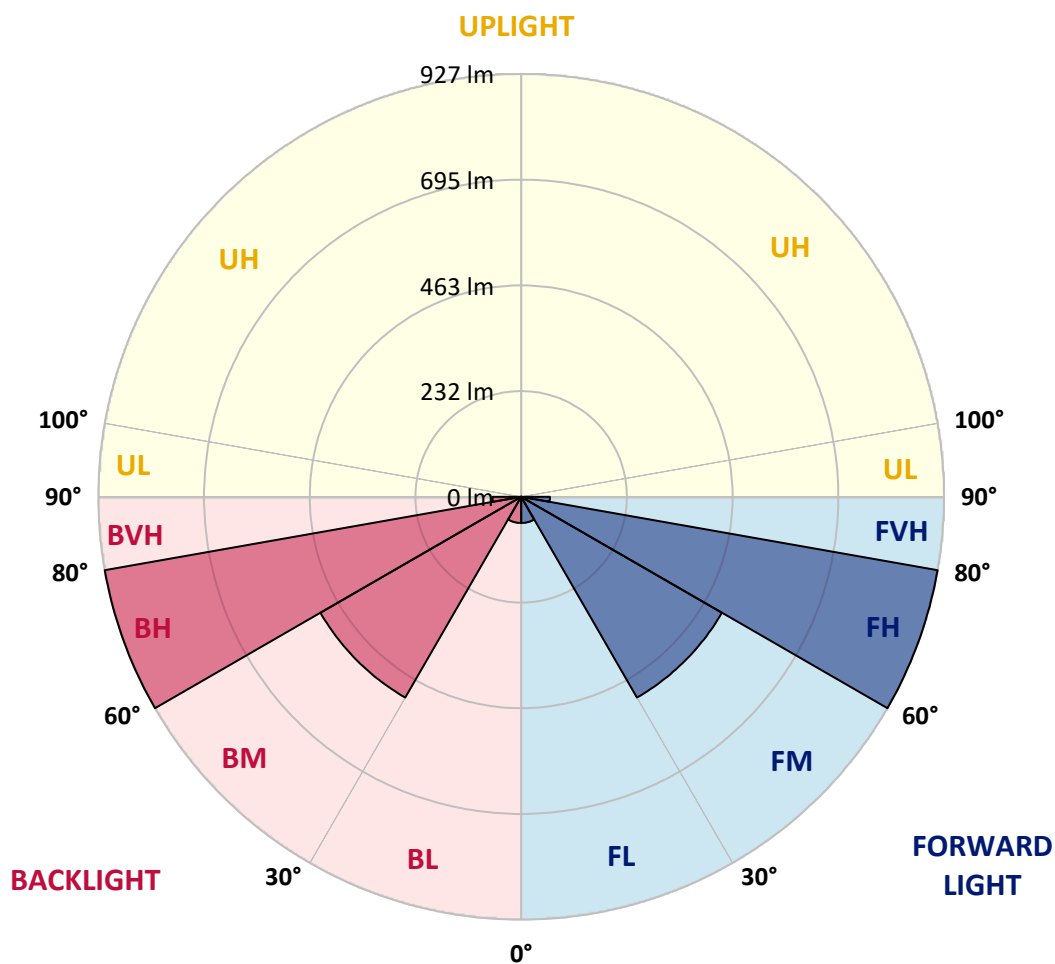
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	57.4	1.8			
FM	(30°-60°)	508.0	16.3			
FH	(60°-80°)	926.7	29.8			G1/1800
FVH	(80°-90°)	62.9	2.0			G1/100
BL	(0°-30°)	57.4	1.8	B0/110		
BM	(30°-60°)	508.0	16.3	B1/1000		
BH	(60°-80°)	926.7	29.8	B2/1000		G1/1800
BVH	(80°-90°)	62.9	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°	6.9	6.6	6.2	11.4	5.9	4.8	2.4	1.4	1.0	1.0	1.0
5°	24.5	24.5	24.5	46.9	24.2	23.5	20.4	17.9	4.8	1.4	1.0
7.5°	42.8	42.8	33.1	47.6	29.0	24.8	23.8	23.1	18.6	3.8	1.7
10°	68.3	68.0	65.9	81.8	63.1	47.3	28.6	24.2	21.4	11.7	7.2
12.5°	73.5	72.8	71.1	90.7	68.7	66.9	51.8	35.5	47.6	71.1	60.4
15°	110.4	111.1	97.6	98.7	86.6	70.7	77.6	91.8	76.3	81.8	69.7
17.5°	121.5	120.8	118.3	138.4	113.5	94.9	105.6	107.6	91.8	107.3	109.4
20°	150.8	148.7	139.4	143.5	121.1	132.5	123.9	125.9	141.5	138.7	141.1
22.5°	174.9	174.6	170.1	184.9	151.5	149.1	141.8	153.5	156.3	151.5	174.2
25°	198.7	196.7	177.3	194.6	172.2	171.5	169.4	168.0	185.6	201.8	212.9
27.5°	226.0	225.0	218.1	230.5	200.5	182.9	183.9	195.6	206.3	211.8	248.1
30°	252.2	251.9	228.8	243.2	222.5	209.1	202.5	213.6	233.6	267.4	289.5
32.5°	288.8	287.4	271.2	283.6	242.2	229.1	224.3	232.2	260.8	277.4	300.9
35°	328.5	327.1	293.6	303.6	265.3	247.0	238.1	256.4	267.7	292.6	319.2
37.5°	349.2	346.8	329.5	324.7	299.8	269.8	257.4	268.8	284.0	311.9	338.8
40°	373.7	372.6	358.5	353.7	320.9	291.2	272.6	285.3	306.7	334.7	365.4
42.5°	403.0	402.3	389.5	389.9	348.5	318.1	291.2	309.5	331.9	368.8	403.0
45°	438.5	436.1	427.5	427.8	383.7	347.8	317.8	341.6	358.5	402.0	441.3
47.5°	478.6	478.2	468.6	468.6	419.2	382.6	349.5	381.9	400.6	452.0	482.4
50°	524.4	523.8	516.9	516.9	465.8	420.6	387.8	426.8	447.2	496.8	530.3
52.5°	574.8	574.5	572.8	569.0	517.5	473.7	436.1	480.6	498.2	553.8	582.8
55°	634.9	639.3	638.0	640.7	585.5	539.6	494.8	542.7	561.7	617.6	639.7
57.5°	711.1	709.7	716.6	734.2	665.2	623.8	568.6	623.1	630.0	682.8	703.5
60°	780.8	782.5	796.0	833.3	748.0	719.7	656.6	708.7	709.0	754.2	769.8
62.5°	855.3	858.4	881.6	944.7	835.3	816.7	752.9	792.9	789.4	828.8	844.3
65°	939.2	943.3	974.7	1054.8	932.6	909.5	843.3	875.3	874.3	926.8	925.4
67.5°	1041.0	1046.1	1074.4	1177.2	1048.2	996.1	919.5	958.5	955.0	1007.1	1003.4
70°	1122.4	1127.9	1158.6	1252.5	1125.8	1063.0	984.0	1026.1	1028.9	1077.9	1083.4
71°	1131.7	1140.0	1172.4	1254.2	1142.4	1081.3	1005.8	1047.5	1039.6	1092.0	1097.9
72.5°	1104.1	1112.0	1154.5	1221.8	1149.3	1090.0	1037.5	1062.7	1031.6	1081.0	1081.0
75°	937.1	937.1	996.8	999.2	1048.9	1050.6	1058.9	1036.8	939.5	943.0	927.4
77.5°	584.8	591.0	653.5	602.4	763.6	891.2	978.5	883.6	719.7	653.1	602.4
80°	222.2	219.4	291.9	222.9	405.8	601.7	736.6	604.1	381.6	251.5	188.7
82.5°	51.1	65.2	90.4	87.6	135.3	265.7	409.2	268.4	122.5	95.2	73.5
85°	25.2	26.6	45.2	48.0	53.8	72.8	135.6	83.5	62.8	62.5	45.9
87.5°	10.4	12.1	25.2	24.5	24.2	30.4	27.6	39.0	40.0	42.4	26.9
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°	1.7
10°	7.2
12.5°	57.6
15°	72.8
17.5°	109.0
20°	141.8
22.5°	178.0
25°	211.8
27.5°	252.9
30°	291.9
32.5°	311.9
35°	327.4
37.5°	346.8
40°	371.6
42.5°	405.4
45°	443.0
47.5°	484.8
50°	533.1
52.5°	584.1
55°	639.3
57.5°	705.2
60°	767.0
62.5°	843.9
65°	923.3
67.5°	1002.3
70°	1078.6
71°	1095.8
72.5°	1074.4
75°	924.0
77.5°	591.7
80°	179.4
82.5°	68.7
85°	43.8
87.5°	25.2
90°	0.0

(END OF REPORT)