

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: P239389

Luminaire Tested: **UTLD-AF24-20-D-U-5WQ-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P239389
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-AF24-20-D-U-5WQ-7030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) 70 CRI, 3000K, 260mA 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: 2222 lumens
Efficiency: N/A
Efficacy: 105.8 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): 21
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

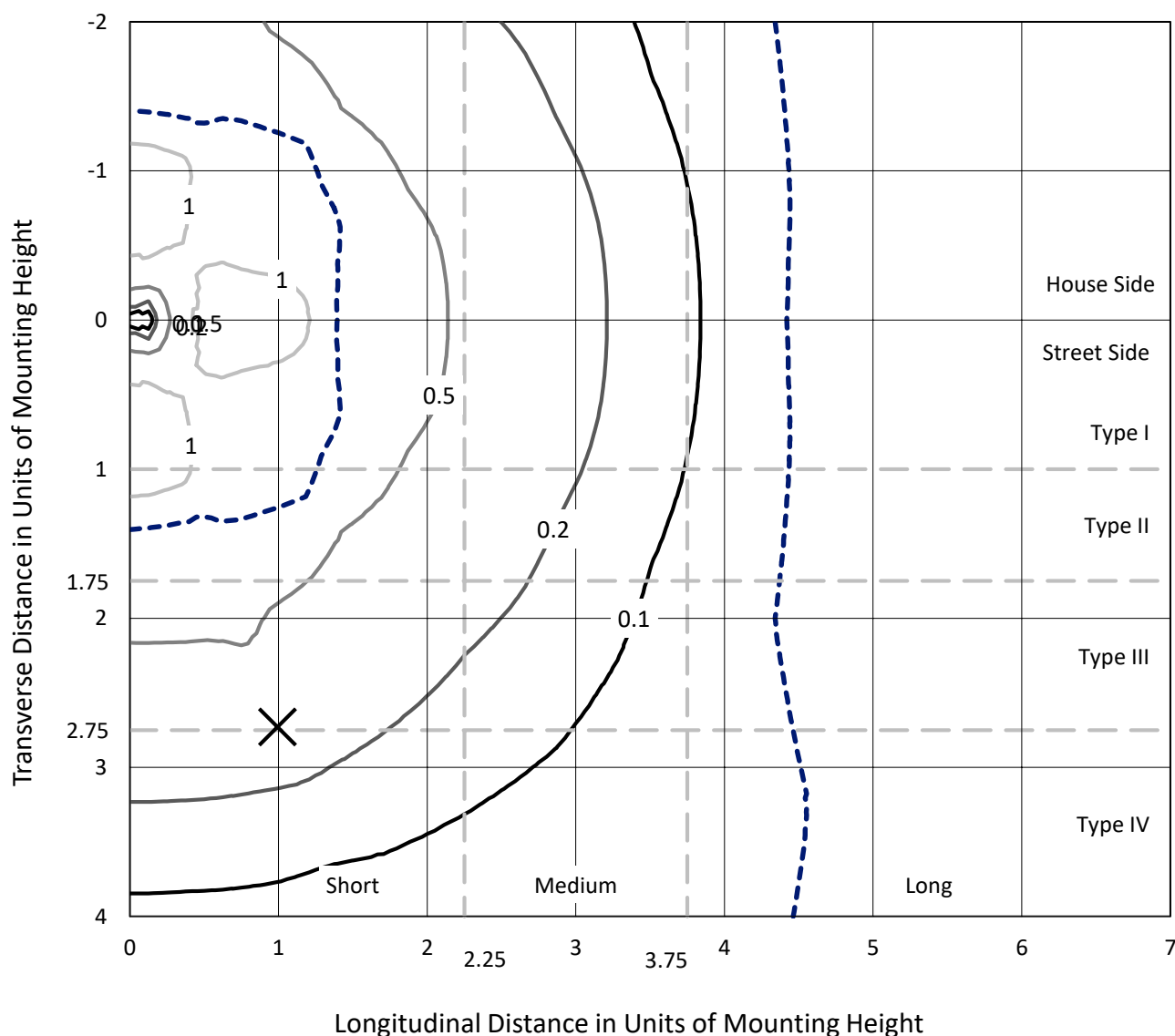


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

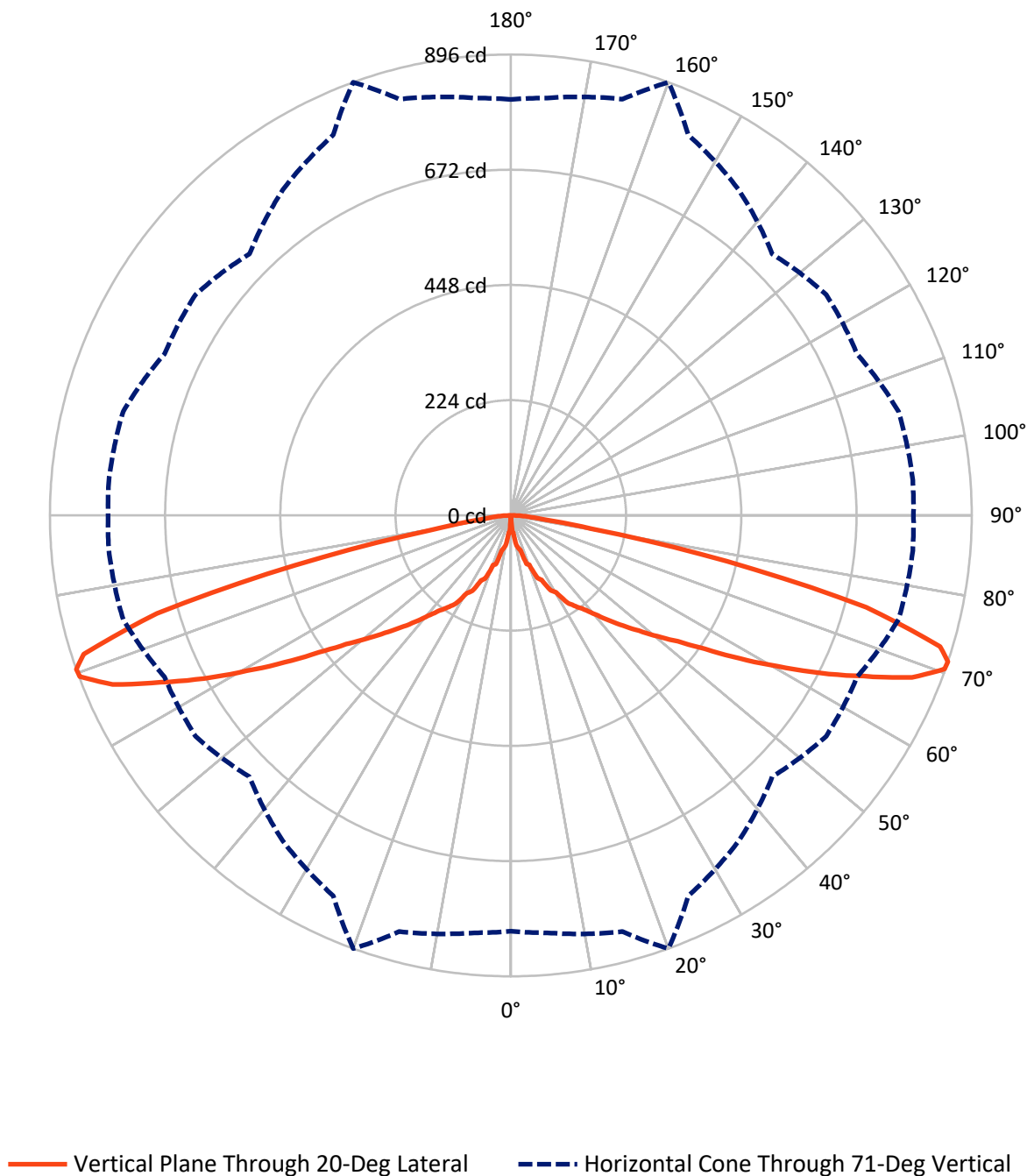


Based on 10 foot mounting height. Maximum calculated value = 1.3 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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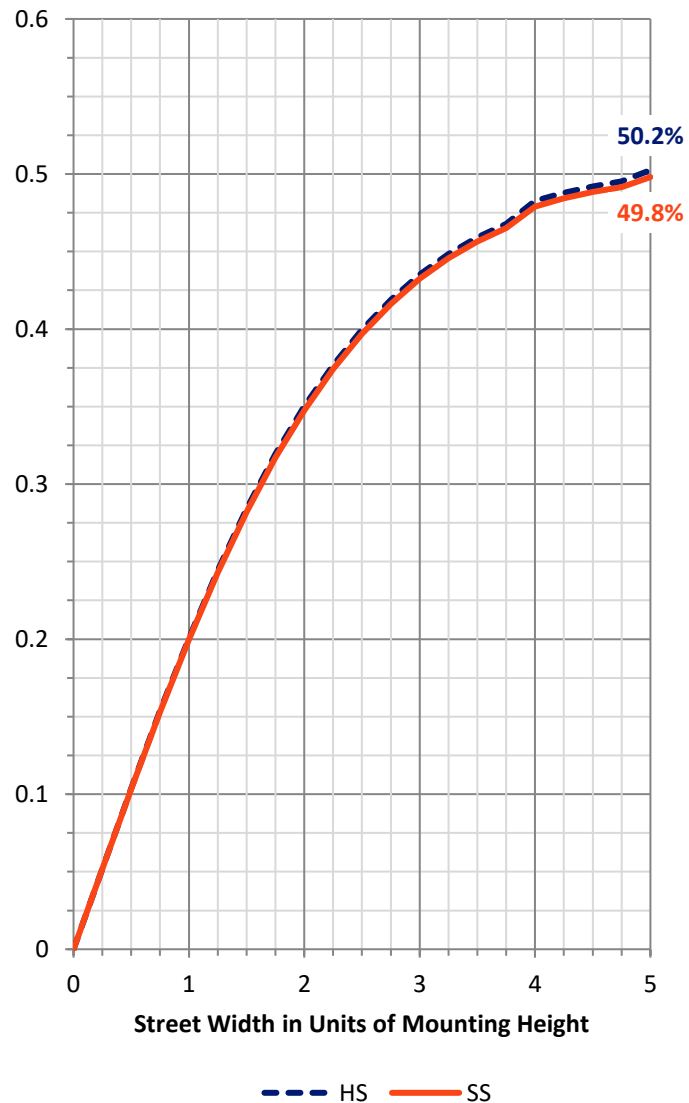
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1111.0	0.0	1111.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1111.0	0.0	1111.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	2222.0	0.0	2222.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.5	0.1
10°-20°	18.4	0.8
20°-30°	62.1	2.8
30°-40°	126.7	5.7
40°-50°	216.9	9.8
50°-60°	382.2	17.2
60°-70°	650.9	29.3
70°-80°	673.3	30.3
80°-90°	90.0	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°	2222.0	100.0
0°-180°	2222.0	100.0

Coefficient of Utilization



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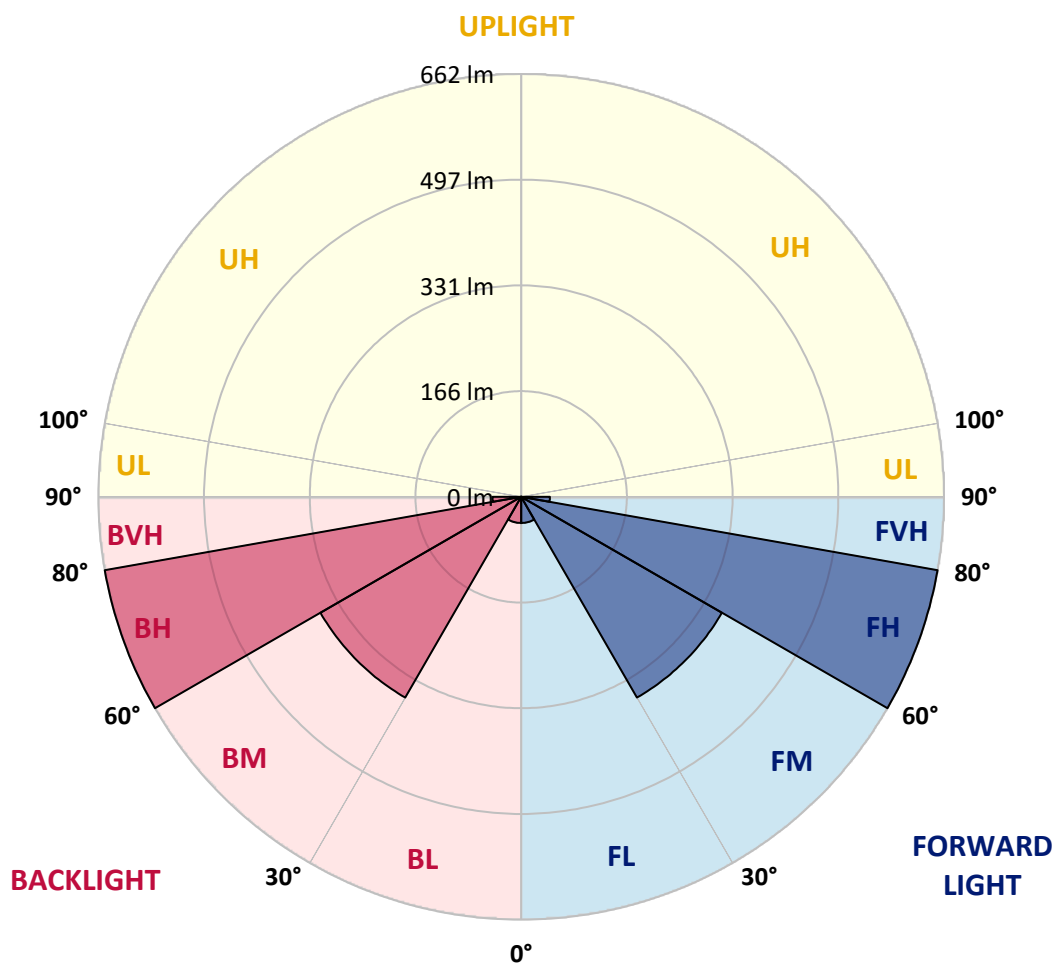
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	41.0	1.8			
FM	(30°-60°)	362.9	16.3			
FH	(60°-80°)	662.1	29.8			G1/1800
FVH	(80°-90°)	45.0	2.0			G1/100
BL	(0°-30°)	41.0	1.8	B0/110		
BM	(30°-60°)	362.9	16.3	B1/1000		
BH	(60°-80°)	662.1	29.8	B2/1000		G1/1800
BVH	(80°-90°)	45.0	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°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
2.5°	4.9	4.7	4.4	8.1	4.2	3.5	1.7	1.0	0.7	0.7	0.7
5°	17.5	17.5	17.5	33.5	17.3	16.8	14.5	12.8	3.5	1.0	0.7
7.5°	30.6	30.6	23.7	34.0	20.7	17.7	17.0	16.5	13.3	2.7	1.2
10°	48.8	48.6	47.1	58.4	45.1	33.8	20.5	17.3	15.3	8.4	5.2
12.5°	52.5	52.0	50.8	64.8	49.1	47.8	37.0	25.4	34.0	50.8	43.1
15°	78.9	79.4	69.8	70.5	61.9	50.5	55.5	65.6	54.5	58.4	49.8
17.5°	86.8	86.3	84.6	98.9	81.1	67.8	75.4	76.9	65.6	76.7	78.1
20°	107.7	106.2	99.6	102.5	86.5	94.7	88.5	90.0	101.1	99.1	100.8
22.5°	125.0	124.7	121.5	132.1	108.2	106.5	101.3	109.7	111.7	108.2	124.5
25°	142.0	140.5	126.7	139.0	123.0	122.5	121.0	120.1	132.6	144.2	152.1
27.5°	161.5	160.7	155.8	164.7	143.2	130.7	131.4	139.8	147.4	151.4	177.2
30°	180.2	180.0	163.4	173.8	159.0	149.4	144.7	152.6	166.9	191.0	206.8
32.5°	206.3	205.3	193.8	202.6	173.1	163.7	160.2	165.9	186.4	198.2	215.0
35°	234.7	233.7	209.8	216.9	189.6	176.5	170.1	183.2	191.3	209.0	228.0
37.5°	249.5	247.7	235.4	232.0	214.2	192.8	183.9	192.0	202.9	222.8	242.1
40°	267.0	266.2	256.1	252.7	229.3	208.1	194.7	203.9	219.2	239.1	261.1
42.5°	287.9	287.4	278.3	278.6	249.0	227.3	208.1	221.1	237.1	263.5	287.9
45°	313.3	311.6	305.4	305.7	274.1	248.5	227.0	244.0	256.1	287.2	315.3
47.5°	341.9	341.7	334.8	334.8	299.5	273.4	249.7	272.9	286.2	322.9	344.6
50°	374.7	374.2	369.3	369.3	332.8	300.5	277.1	304.9	319.5	355.0	378.9
52.5°	410.7	410.4	409.2	406.5	369.8	338.5	311.6	343.4	356.0	395.7	416.4
55°	453.6	456.8	455.8	457.8	418.3	385.5	353.5	387.8	401.3	441.3	457.0
57.5°	508.1	507.1	512.0	524.6	475.3	445.7	406.3	445.2	450.1	487.9	502.6
60°	557.9	559.1	568.7	595.3	534.4	514.2	469.1	506.3	506.6	538.9	550.0
62.5°	611.1	613.3	629.8	675.0	596.8	583.5	537.9	566.5	564.0	592.1	603.2
65°	671.0	674.0	696.4	753.6	666.3	649.8	602.5	625.4	624.7	662.1	661.2
67.5°	743.7	747.4	767.6	841.1	748.9	711.7	657.0	684.8	682.4	719.6	716.9
70°	801.9	805.9	827.8	894.8	804.4	759.5	703.1	733.1	735.1	770.1	774.1
71°	808.6	814.5	837.7	896.1	816.2	772.6	718.6	748.4	742.7	780.2	784.4
72.5°	788.8	794.5	824.8	872.9	821.1	778.7	741.3	759.3	737.1	772.3	772.3
75°	669.5	669.5	712.2	713.9	749.4	750.6	756.6	740.8	671.3	673.7	662.6
77.5°	417.8	422.3	466.9	430.4	545.5	636.7	699.1	631.3	514.2	466.7	430.4
80°	158.8	156.8	208.6	159.2	289.9	429.9	526.3	431.6	272.6	179.7	134.8
82.5°	36.5	46.6	64.6	62.6	96.6	189.8	292.4	191.8	87.5	68.0	52.5
85°	18.0	19.0	32.3	34.3	38.5	52.0	96.9	59.7	44.9	44.6	32.8
87.5°	7.4	8.6	18.0	17.5	17.3	21.7	19.7	27.9	28.6	30.3	19.2
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°	0.7
2.5°	0.7
5°	0.7
7.5°	1.2
10°	5.2
12.5°	41.2
15°	52.0
17.5°	77.9
20°	101.3
22.5°	127.2
25°	151.4
27.5°	180.7
30°	208.6
32.5°	222.8
35°	233.9
37.5°	247.7
40°	265.5
42.5°	289.7
45°	316.5
47.5°	346.4
50°	380.9
52.5°	417.3
55°	456.8
57.5°	503.9
60°	548.0
62.5°	603.0
65°	659.7
67.5°	716.1
70°	770.6
71°	782.9
72.5°	767.6
75°	660.2
77.5°	422.8
80°	128.2
82.5°	49.1
85°	31.3
87.5°	18.0
90°	0.0

(END OF REPORT)