

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: P402573

Luminaire Tested: **GAN-AF-01-LED-U-SL4-AMB-HSS**

Issue Date: 6/8/2020

Test Information

Test Method: LM-79-08
Report Number: P402573
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2003-697-9)
Test Lab: INNOVATION CENTER
Issue Date: 6/8/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-AF-01-LED-U-SL4-AMB-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) NARROW BAND AMBER, 500mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 948 lumens
Efficiency: N/A
Efficacy: 41.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B0 - U0 - G1

Input Watts (W): 22.6
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

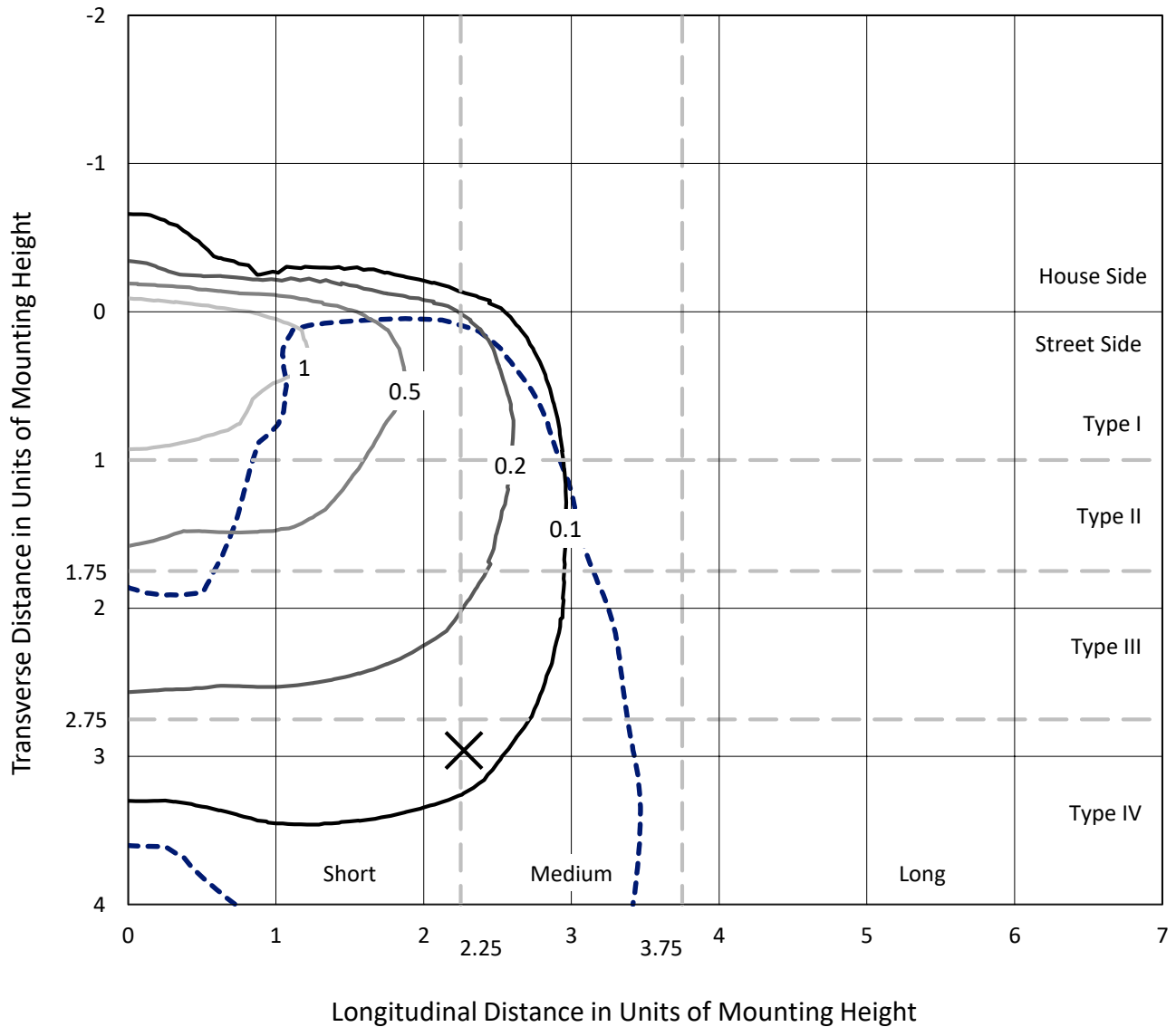


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Iso-Footcandle Lines of Horizontal Illumination

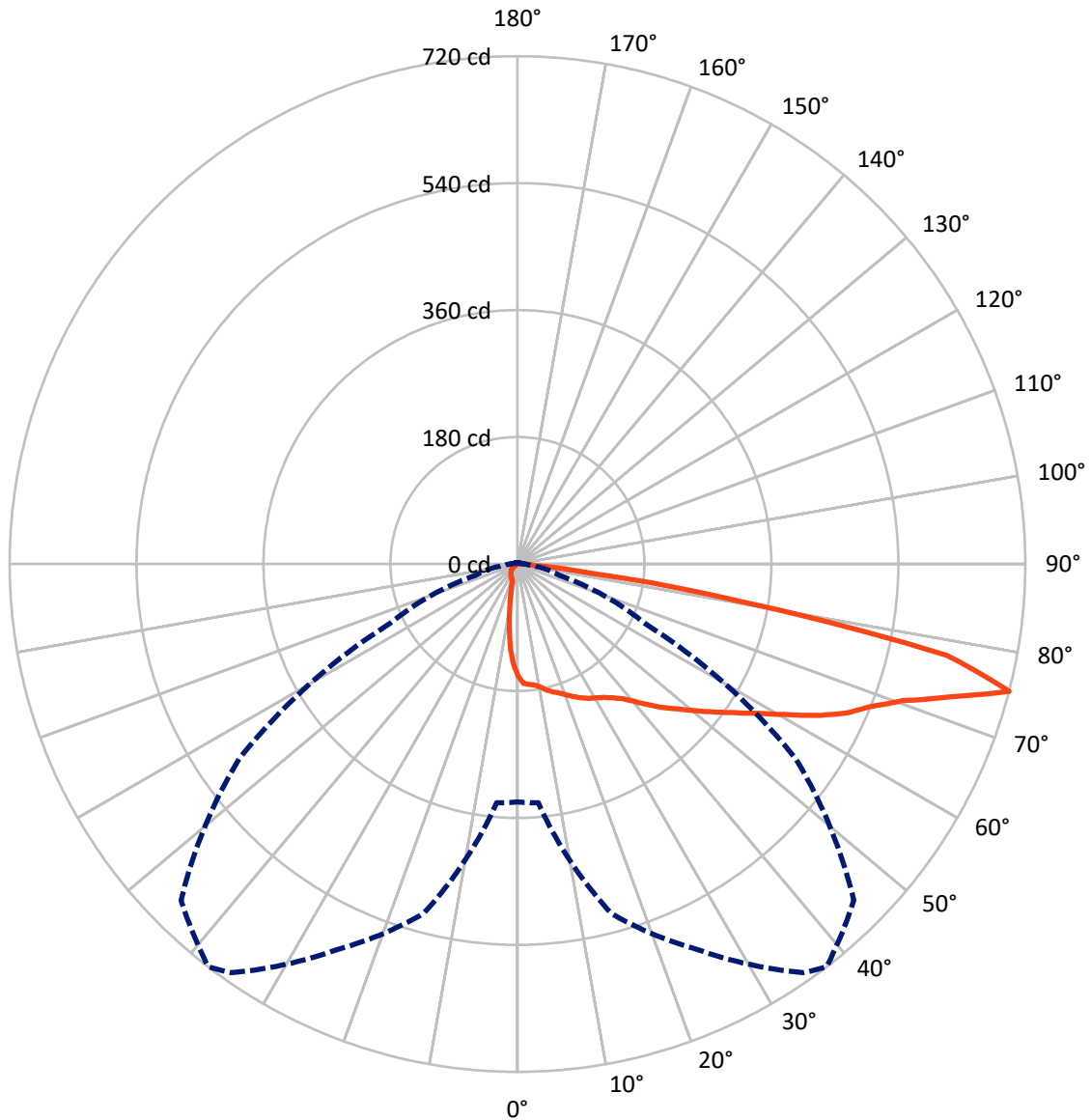
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1.7 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 37.5-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical



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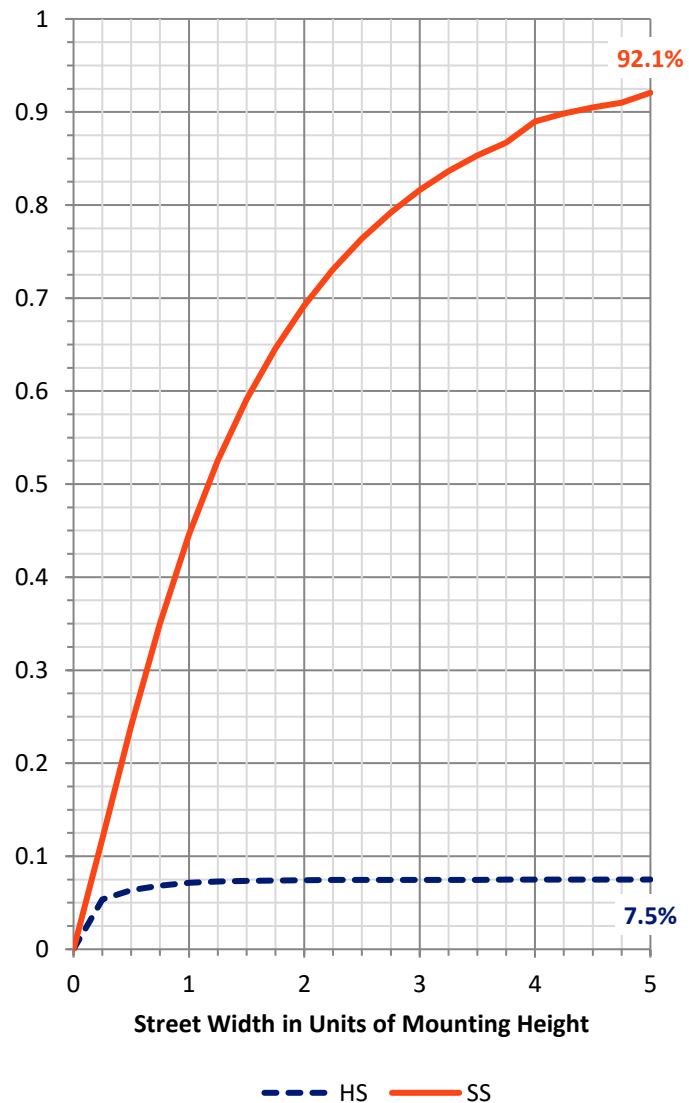
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	71.6	0.0	71.6
	% Fixture	7.6	0.0	7.6
Street Side	Lumens	876.4	0.0	876.4
	% Fixture	92.4	0.0	92.4
Total	Lumens	948.0	0.0	948.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.5	1.4
10°-20°	34.2	3.6
20°-30°	56.0	5.9
30°-40°	83.3	8.8
40°-50°	124.6	13.1
50°-60°	179.1	18.9
60°-70°	240.0	25.3
70°-80°	194.4	20.5
80°-90°	22.7	2.4
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°	948.0	100.0
0°-180°	948.0	100.0

Coefficient of Utilization



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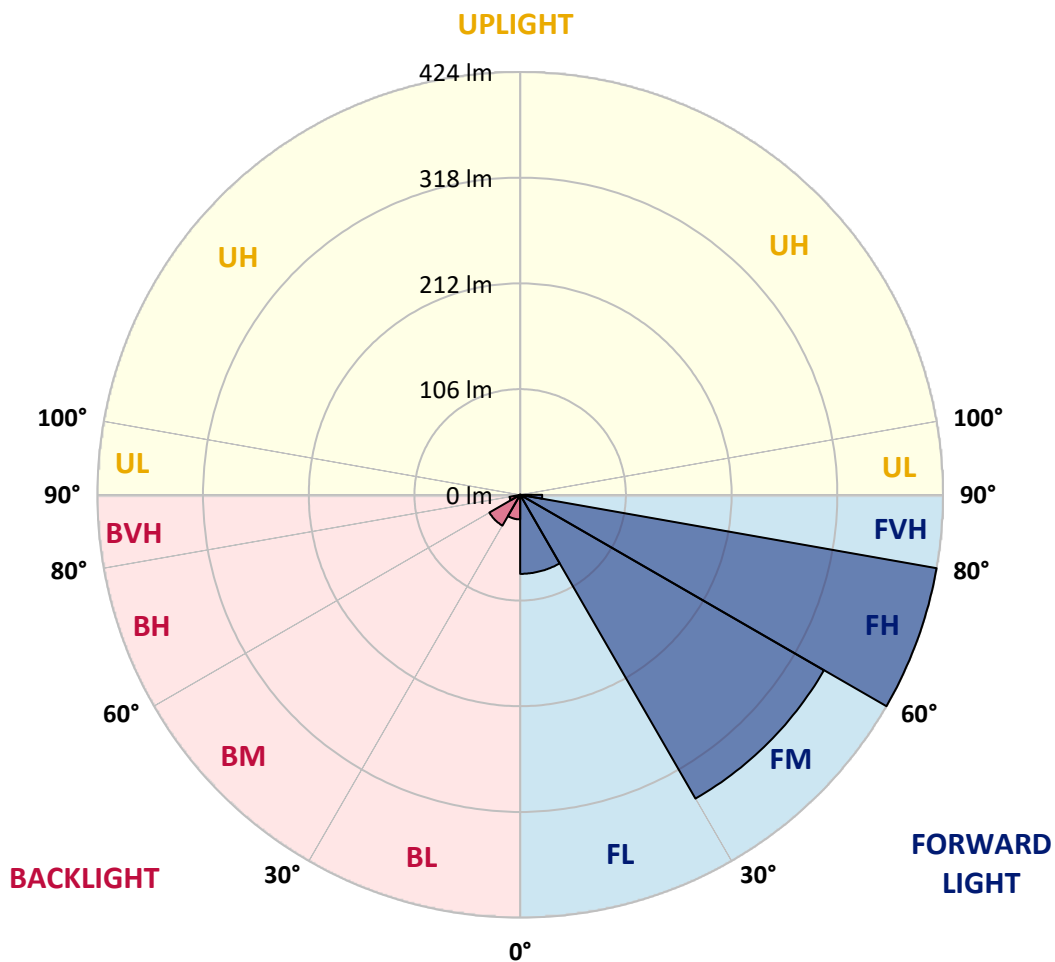
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	79.2	8.4			
FM	(30°-60°)	351.4	37.1			
FH	(60°-80°)	423.7	44.7			G0/660
FVH	(80°-90°)	22.1	2.3			G1/100
BL	(0°-30°)	24.6	2.6	B0/110		
BM	(30°-60°)	35.6	3.8	B0/220		
BH	(60°-80°)	10.8	1.1	B0/110		G0/110
BVH	(80°-90°)	0.6	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	37.5°	45°	55°	65°	75°	85°
0°	159.4	159.4	159.4	159.4	159.4	159.4	159.4	159.4	159.4	159.4	159.4
2.5°	171.6	171.1	171.1	170.0	169.5	169.5	167.4	166.8	164.7	162.6	159.9
5°	172.1	172.1	171.6	172.1	171.6	171.6	170.5	170.0	167.9	163.7	158.9
7.5°	175.3	174.8	174.2	174.2	173.2	173.2	170.5	169.5	167.4	164.7	157.8
10°	175.3	175.3	176.4	177.4	177.4	177.4	174.8	171.6	168.4	165.8	157.8
12.5°	174.8	174.8	176.4	180.1	182.7	183.2	181.7	177.4	172.1	167.4	159.9
15°	174.2	174.8	176.9	182.2	187.0	188.0	187.5	184.3	177.4	170.5	162.6
17.5°	175.3	176.4	179.0	186.4	191.7	192.3	192.8	190.7	183.2	174.8	166.8
20°	176.9	177.4	183.2	192.3	197.5	198.1	197.5	194.4	188.0	180.1	171.6
22.5°	179.5	180.6	188.0	198.1	203.9	204.4	202.8	197.5	190.7	184.3	176.9
25°	184.8	185.9	194.9	205.0	209.2	210.3	208.7	202.3	193.3	189.1	182.7
27.5°	191.2	192.8	202.3	211.8	214.5	215.6	214.0	206.6	197.0	195.4	190.1
30°	200.7	201.8	210.8	218.7	219.8	220.3	219.3	210.8	202.3	202.3	197.5
32.5°	212.4	214.0	219.8	225.6	225.1	225.6	225.1	216.1	208.7	212.9	206.6
35°	226.1	224.6	231.4	234.1	232.0	233.0	233.6	224.6	218.2	226.7	218.7
37.5°	236.7	236.7	240.4	243.1	241.5	242.6	244.2	235.7	231.4	246.3	237.3
40°	245.7	245.7	248.4	253.7	254.2	256.3	259.5	249.5	249.5	269.0	259.0
42.5°	252.6	253.7	255.8	262.7	269.6	273.3	276.5	266.4	271.2	298.2	287.6
45°	259.5	260.6	261.6	271.7	285.5	290.8	297.1	287.6	296.1	328.9	317.2
47.5°	268.0	268.0	267.5	283.3	300.3	307.2	318.3	310.4	325.7	366.5	348.5
50°	278.6	277.5	272.8	295.5	318.3	326.8	343.7	335.8	359.1	405.7	371.8
52.5°	290.8	288.1	280.7	308.2	337.9	348.5	370.2	364.9	394.0	436.9	385.0
55°	306.1	301.9	291.8	323.6	361.7	372.3	397.7	400.9	427.4	454.9	398.8
57.5°	325.7	317.8	306.7	342.7	389.3	399.3	429.0	435.9	449.6	472.4	416.3
60°	345.3	336.8	326.8	368.6	419.5	433.2	462.4	465.0	467.7	496.8	435.3
62.5°	362.8	358.0	352.2	397.7	460.8	473.0	491.0	487.3	490.4	525.4	450.7
65°	385.0	380.3	379.2	431.1	500.0	510.6	512.7	514.3	525.9	553.5	458.7
67.5°	404.1	402.5	412.0	470.8	535.4	539.7	547.6	556.6	563.0	566.2	405.7
70°	431.1	428.5	449.6	510.6	570.9	579.9	608.0	617.0	573.0	463.9	248.4
72.5°	433.8	438.5	496.3	551.9	623.9	643.5	678.4	630.2	445.4	248.9	77.3
75°	337.4	340.0	512.7	603.2	707.6	720.3	674.7	482.0	199.1	61.4	17.5
77.5°	188.0	198.1	342.7	559.8	643.0	622.8	461.3	212.9	51.4	13.8	9.0
80°	137.7	142.5	165.2	320.4	363.8	319.9	192.3	81.0	28.1	9.5	6.4
82.5°	40.8	44.0	85.3	103.3	128.7	102.2	57.7	62.0	18.0	6.9	5.3
85°	11.1	11.7	29.1	40.8	37.1	23.8	21.2	53.5	7.4	4.8	4.2
87.5°	5.3	5.3	9.0	18.0	15.4	12.7	17.5	31.2	1.6	1.6	1.1
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°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	159.4	159.4	159.4	159.4	159.4	159.4	159.4	159.4	159.4	159.4	159.4
2.5°	158.4	157.3	153.1	150.9	148.8	145.1	143.0	141.4	140.9	139.8	140.3
5°	155.7	152.0	145.1	139.3	132.4	125.0	120.8	116.0	111.2	110.2	109.6
7.5°	153.6	148.3	137.7	126.6	114.9	102.2	90.6	83.2	75.7	74.7	74.1
10°	152.5	145.1	129.8	113.3	94.3	76.8	64.1	55.6	50.3	47.7	46.6
12.5°	152.5	143.5	123.4	100.1	75.7	56.7	44.0	35.5	31.8	30.2	29.7
15°	153.6	142.5	116.0	84.7	59.3	40.3	30.7	26.5	24.9	24.4	24.9
17.5°	156.2	142.5	109.1	71.5	45.0	29.7	24.4	23.8	23.3	23.3	23.3
20°	159.9	143.5	101.7	59.8	33.4	24.4	22.8	22.8	22.8	22.8	22.8
22.5°	164.2	144.1	93.2	48.7	27.0	22.2	21.7	21.7	21.7	21.7	21.7
25°	168.4	145.1	84.2	38.1	22.2	21.2	20.7	21.2	21.2	21.2	21.2
27.5°	173.7	146.2	75.2	30.2	20.7	20.1	20.1	20.1	20.1	20.1	20.1
30°	178.5	146.2	66.7	24.9	19.6	19.1	19.1	19.1	19.1	19.1	19.1
32.5°	184.3	145.6	57.7	20.7	18.5	18.0	17.5	18.0	18.0	18.0	17.5
35°	192.8	145.6	47.7	19.1	17.5	16.9	16.4	16.4	16.4	16.4	16.4
37.5°	203.9	147.8	37.6	17.5	15.9	15.4	15.4	15.4	14.8	14.8	14.8
40°	220.3	151.5	30.2	16.4	14.8	14.3	13.8	13.8	13.2	12.7	12.7
42.5°	239.9	155.7	24.9	15.4	13.8	13.2	12.7	12.2	11.7	11.1	11.1
45°	259.5	158.9	19.6	14.3	12.7	12.2	11.7	11.1	10.1	9.5	9.0
47.5°	280.2	158.9	15.9	13.2	12.2	11.1	10.6	9.5	8.5	7.4	7.4
50°	292.4	153.1	14.3	12.2	11.1	10.1	9.5	7.9	6.9	5.8	5.8
52.5°	299.2	145.1	13.2	11.1	10.6	9.5	7.9	6.9	5.3	4.2	4.2
55°	305.1	141.4	12.2	10.6	9.5	8.5	6.9	5.3	3.7	3.2	3.2
57.5°	312.5	135.6	11.1	9.5	8.5	7.4	5.8	4.2	2.6	2.1	2.1
60°	318.8	127.6	10.1	9.0	7.9	6.4	4.8	3.2	1.6	1.1	1.1
62.5°	322.0	115.5	9.0	7.9	6.9	5.3	3.7	2.1	1.1	0.5	0.5
65°	313.0	96.9	8.5	6.9	5.8	4.2	2.6	1.1	0.5	0.0	0.0
67.5°	255.8	62.5	6.9	5.8	4.8	3.2	2.1	1.1	0.5	0.0	0.0
70°	131.3	26.5	5.8	4.8	4.2	2.6	1.6	0.5	0.0	0.0	0.0
72.5°	34.4	9.5	4.8	4.2	3.7	2.6	1.1	0.5	0.0	0.0	0.0
75°	10.6	6.4	3.7	3.2	3.2	2.1	1.1	0.5	0.0	0.0	0.0
77.5°	7.4	4.8	3.2	2.6	2.6	2.1	1.1	0.5	0.0	0.0	0.0
80°	5.8	4.2	2.6	2.1	2.6	2.6	1.1	0.5	0.0	0.0	0.0
82.5°	4.8	3.7	2.1	2.1	2.6	2.6	1.6	0.5	0.0	0.0	0.0
85°	3.7	2.6	2.1	2.1	2.6	2.1	1.1	0.5	0.0	0.0	0.0
87.5°	1.1	1.1	0.5	0.5	0.5	1.1	1.1	0.5	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)