

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: INVUE

Report Number: P553715

Luminaire Tested: **LXS-VA1-830-U-ASW-S**

Issue Date: 7/13/2021

Test Information

Test Method: LM-79-08
Report Number: P553715
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1803-687-16-R2)
Test Lab: INNOVATION CENTER
Issue Date: 7/13/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: LXS-VA1-830-U-ASW-S
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE
80 CRI, 3000K LEDS AND TYPE III OPTIC, SPIDER MOUNT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1892 lumens
Efficiency: N/A
Efficacy: 78.8 lumens/watt
Luminous Opening: Circular (Dia: 1.62' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

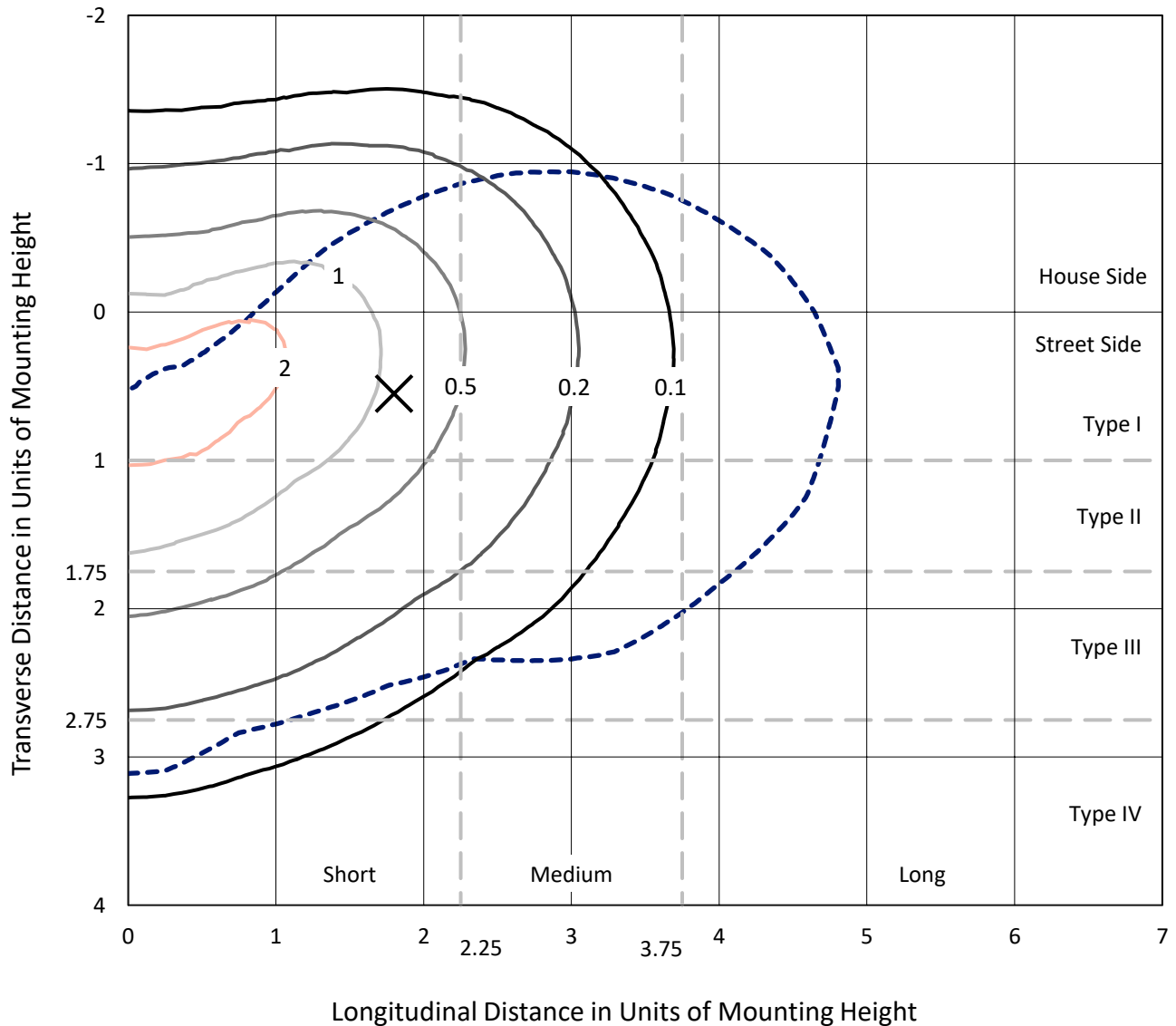
Input Watts (W): 24
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P553715
 CATALOG NUMBER: LXS-VA1-830-U-ASW-S

Iso-Footcandle Lines of Horizontal Illumination

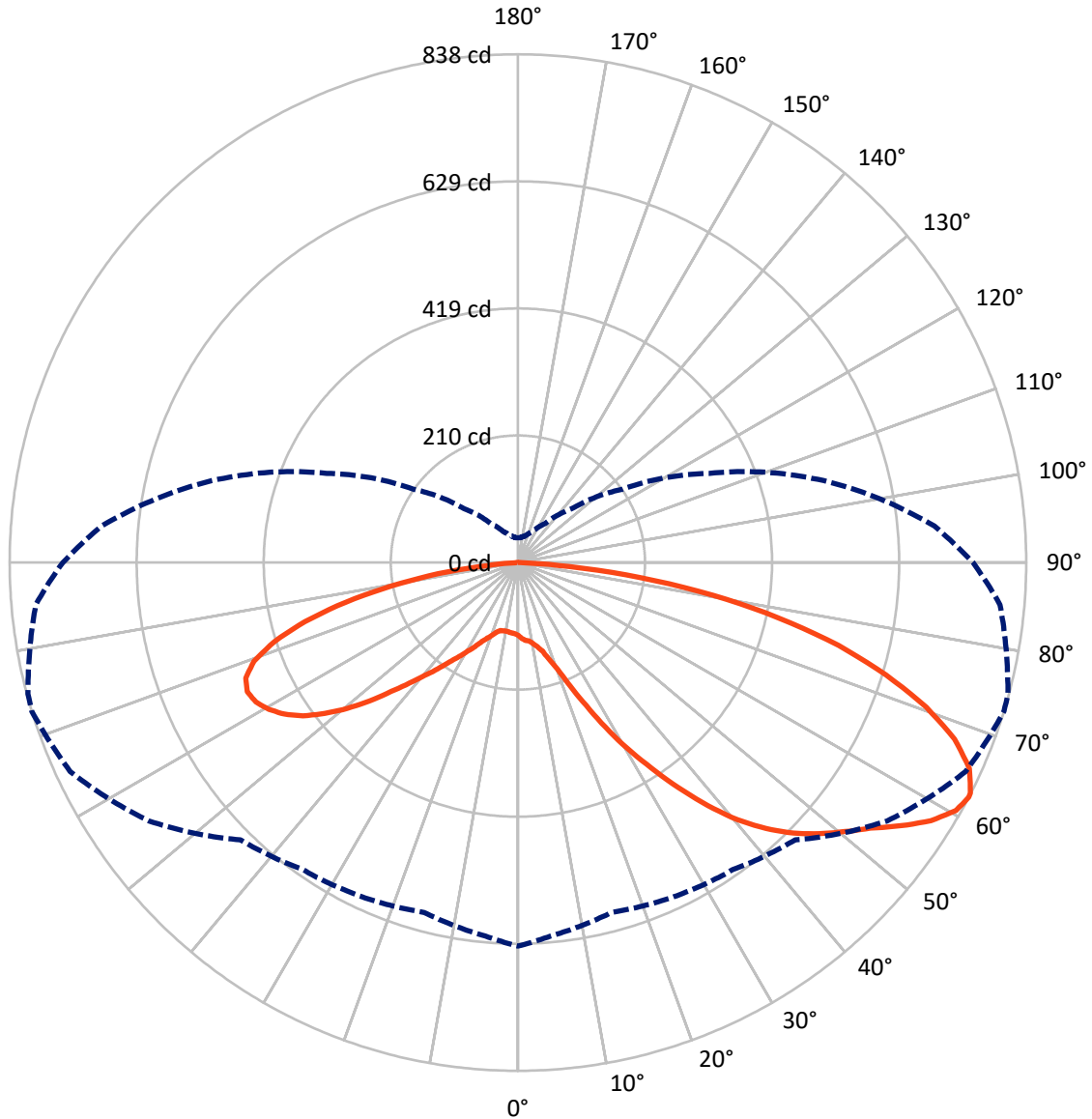
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.2 fc
 Type III - Short - N/A

REPORT NUMBER: P553715
CATALOG NUMBER: LXS-VA1-830-U-ASW-S

Luminous Intensity Polar Plot



— Vertical Plane Through 73-Deg Lateral - - - Horizontal Cone Through 62-Deg Vertical

REPORT NUMBER: P553715

CATALOG NUMBER: LXS-VA1-830-U-ASW-S

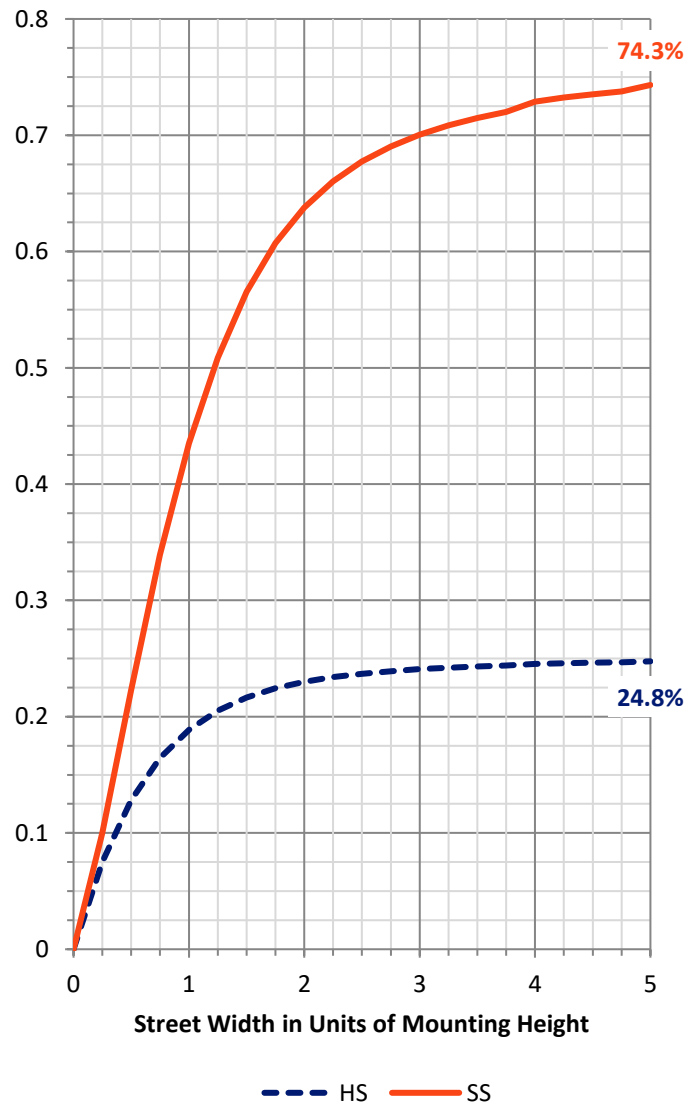
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	471.9	0.0	471.9
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	1420.1	0.0	1420.1
	% Fixture	75.1	0.0	75.1
Total	Lumens	1892.0	0.0	1892.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.0	0.6
10°-20°	43.8	2.3
20°-30°	107.5	5.7
30°-40°	201.3	10.6
40°-50°	302.3	16.0
50°-60°	408.1	21.6
60°-70°	437.4	23.1
70°-80°	308.2	16.3
80°-90°	71.3	3.8
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°	1892.0	100.0
0°-180°	1892.0	100.0



REPORT NUMBER: P553715

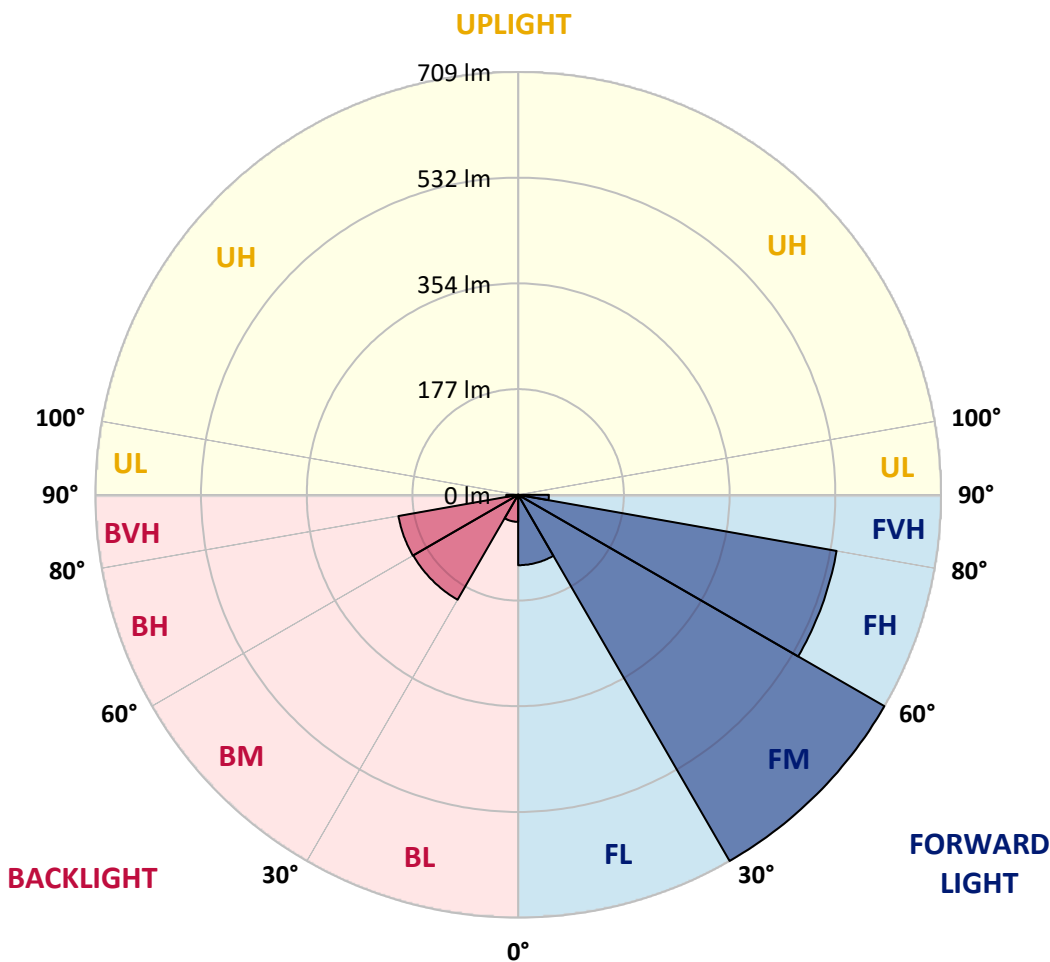
CATALOG NUMBER: LXS-VA1-830-U-ASW-S

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	118.0	6.2			
FM	(30°-60°)	708.7	37.5			
FH	(60°-80°)	541.9	28.6			G0/660
FVH	(80°-90°)	51.6	2.7			G1/100
BL	(0°-30°)	45.3	2.4	B0/110		
BM	(30°-60°)	203.1	10.7	B0/220		
BH	(60°-80°)	203.8	10.8	B1/500		G1/500
BVH	(80°-90°)	19.8	1.0			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Short





REPORT NUMBER: P553715
 CATALOG NUMBER: LXS-VA1-830-U-ASW-S

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
0°	120.4	120.4	120.4	120.4	120.4	120.4	120.4	120.4	120.4	120.4	120.4
2.5°	136.3	135.5	135.5	134.7	133.0	131.3	129.6	127.1	125.5	124.6	122.1
5°	148.9	148.1	147.2	144.7	142.2	138.8	135.5	132.2	128.8	128.0	123.8
7.5°	163.1	162.3	160.6	154.7	148.9	143.9	138.8	134.7	130.5	129.6	124.6
10°	181.5	180.7	176.5	168.1	158.9	151.4	144.7	139.7	135.5	133.8	127.1
12.5°	198.2	197.4	190.7	180.7	172.3	163.9	154.7	148.1	142.2	140.5	131.3
15°	240.1	238.4	231.7	208.3	195.7	184.9	173.1	160.6	151.4	148.9	136.3
17.5°	324.5	322.9	317.8	279.4	246.8	220.8	201.6	183.2	168.1	165.6	148.9
20°	356.3	358.8	368.0	358.0	322.0	266.8	235.9	211.6	188.2	184.0	163.1
22.5°	376.4	380.6	399.0	400.7	383.9	328.7	276.0	247.6	220.8	213.3	183.2
25°	390.6	397.3	429.1	439.1	423.2	385.6	334.6	296.9	261.0	252.6	209.9
27.5°	405.7	412.4	448.3	463.4	453.4	424.9	402.3	350.5	307.8	295.3	242.6
30°	445.0	447.5	486.0	487.6	477.6	465.9	459.2	401.5	355.5	342.1	277.7
32.5°	509.4	505.2	536.2	525.3	504.4	503.5	501.9	455.9	404.0	390.6	317.0
35°	556.2	557.1	584.7	560.4	539.5	533.7	538.7	507.7	455.9	440.0	363.0
37.5°	579.7	582.2	606.4	593.0	570.5	561.3	573.0	553.7	508.6	491.8	409.9
40°	599.7	602.2	613.9	611.4	596.4	582.2	601.4	593.9	557.9	543.7	459.2
42.5°	606.4	607.3	603.1	619.8	606.4	598.1	623.1	628.2	599.7	589.7	509.4
45°	591.4	597.2	592.2	611.4	612.3	609.8	641.6	656.6	636.5	626.5	557.9
47.5°	579.7	582.2	588.0	618.1	618.1	613.1	655.8	678.4	668.3	660.8	599.7
50°	629.8	622.3	602.2	643.2	634.0	630.7	675.8	701.8	697.6	690.9	637.4
52.5°	663.3	650.8	612.3	649.1	654.1	656.6	706.8	732.7	727.7	721.0	673.3
55°	721.9	702.6	652.4	662.5	666.6	675.0	739.4	770.4	766.2	757.8	711.0
57.5°	710.1	690.1	652.4	665.0	665.8	678.4	759.5	803.0	803.0	796.3	751.1
60°	674.2	654.1	626.5	639.9	644.9	666.6	757.8	819.7	829.8	824.7	785.4
62°	632.4	618.1	597.2	608.1	618.1	646.6	742.8	814.7	838.1	836.4	798.0
62.5°	622.3	608.9	588.9	599.7	609.8	640.7	737.7	811.3	837.3	837.3	798.8
65°	572.1	564.6	542.9	557.1	566.3	598.9	701.8	782.9	818.0	823.9	795.5
67.5°	508.6	511.9	494.3	506.9	516.1	547.9	651.6	734.4	776.2	786.3	770.4
70°	461.7	459.2	443.3	451.7	463.4	494.3	593.0	670.8	714.3	726.0	719.3
72.5°	411.5	410.7	388.1	392.3	405.7	435.8	525.3	592.2	634.9	648.2	653.3
75°	358.8	353.8	331.2	331.2	342.1	368.0	450.8	502.7	546.2	553.7	564.6
77.5°	301.1	296.9	271.8	275.2	279.4	302.0	366.4	404.0	440.0	447.5	455.9
80°	237.5	235.0	210.8	209.9	212.5	228.3	282.7	299.4	326.2	331.2	341.3
82.5°	166.5	163.1	144.7	141.4	141.4	151.4	186.5	194.1	203.3	206.6	210.8
85°	80.3	78.6	70.3	70.3	66.9	71.1	82.8	82.8	84.5	80.3	87.0
87.5°	2.5	2.5	2.5	2.5	1.7	1.7	1.7	1.7	1.7	1.7	0.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P553715
 CATALOG NUMBER: LXS-VA1-830-U-ASW-S

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	120.4	120.4	120.4	120.4	120.4	120.4	120.4	120.4	120.4	120.4	120.4
2.5°	121.3	119.6	117.9	116.3	115.4	114.6	113.8	112.9	112.9	112.1	112.1
5°	121.3	119.6	117.1	114.6	112.1	110.4	109.6	107.9	107.1	106.2	107.1
7.5°	122.1	119.6	116.3	112.9	109.6	107.1	104.6	102.9	102.0	101.2	101.2
10°	123.8	120.4	115.4	111.2	107.9	103.7	101.2	98.7	97.9	97.0	97.0
12.5°	126.3	122.1	116.3	110.4	105.4	102.0	98.7	96.2	94.5	92.8	92.8
15°	130.5	124.6	117.1	110.4	104.6	100.4	96.2	92.8	89.5	88.7	88.7
17.5°	140.5	133.0	122.1	112.1	105.4	99.5	93.7	88.7	86.2	84.5	84.5
20°	153.1	143.9	129.6	115.4	106.2	97.9	92.0	86.2	82.8	81.1	81.1
22.5°	167.3	157.3	138.0	119.6	107.9	97.9	90.3	83.6	78.6	76.1	76.1
25°	189.0	173.1	147.2	125.5	110.4	97.9	88.7	81.1	75.3	72.8	72.8
27.5°	216.6	194.1	160.6	133.8	112.9	97.9	87.0	78.6	72.8	70.3	69.4
30°	245.9	218.3	174.0	142.2	116.3	97.9	85.3	75.3	68.6	66.1	66.1
32.5°	280.2	246.8	190.7	150.6	120.4	98.7	83.6	71.9	65.2	62.7	62.7
35°	317.0	279.4	208.3	158.9	124.6	98.7	81.1	69.4	62.7	59.4	59.4
37.5°	361.3	313.7	231.7	169.8	128.8	98.7	80.3	68.6	61.1	57.7	56.9
40°	409.0	354.7	256.0	181.5	133.8	101.2	80.3	67.8	60.2	56.9	56.0
42.5°	455.9	400.7	285.2	195.7	142.2	104.6	81.1	67.8	59.4	55.2	54.4
45°	501.9	446.7	318.7	216.6	151.4	107.1	81.1	66.9	57.7	53.5	52.7
47.5°	547.0	492.7	358.0	240.1	159.8	110.4	81.1	66.1	56.0	51.9	51.9
50°	589.7	537.0	397.3	261.8	168.1	113.8	82.0	64.4	54.4	50.2	50.2
52.5°	629.0	577.1	434.1	284.4	178.2	117.1	82.0	63.6	52.7	48.5	48.5
55°	665.0	611.4	467.6	305.3	188.2	120.4	82.0	61.9	51.0	46.8	46.8
57.5°	700.1	643.2	492.7	323.7	197.4	123.8	82.0	60.2	49.4	45.2	44.3
60°	732.7	672.5	511.1	338.8	205.8	125.5	80.3	57.7	46.8	42.7	42.7
62°	750.3	689.2	521.9	348.0	210.8	125.5	78.6	56.0	45.2	41.0	41.0
62.5°	752.8	691.7	524.4	349.6	211.6	125.5	77.8	55.2	45.2	41.0	40.1
65°	752.8	694.2	529.5	353.8	212.5	123.8	75.3	51.9	41.8	37.6	37.6
67.5°	732.7	677.5	521.9	349.6	208.3	118.8	70.3	47.7	38.5	34.3	34.3
70°	689.2	639.9	496.8	335.4	198.2	111.2	64.4	43.5	34.3	30.9	30.1
72.5°	624.0	580.5	450.8	307.8	181.5	100.4	57.7	38.5	30.1	26.8	26.8
75°	537.8	501.9	388.1	268.5	158.9	87.0	48.5	32.6	25.9	23.4	22.6
77.5°	434.1	401.5	310.3	217.5	130.5	71.9	40.1	26.8	21.7	19.2	19.2
80°	318.7	291.9	225.0	159.8	97.9	53.5	30.1	20.9	16.7	15.1	15.1
82.5°	192.4	184.0	140.5	99.5	61.9	35.1	20.9	14.2	11.7	10.9	10.9
85°	74.4	65.2	51.9	41.0	28.4	16.7	10.9	8.4	7.5	6.7	5.9
87.5°	0.8	2.5	3.3	4.2	5.0	4.2	3.3	2.5	3.3	3.3	3.3
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)