

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: P553696

Luminaire Tested: **LXS-VA1-740-U-ASC-C**

Issue Date: 7/13/2021

Test Information

Test Method: LM-79-08
Report Number: P553696
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1803-687-8-R2)
Test Lab: INNOVATION CENTER
Issue Date: 7/13/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: LXS-VA1-740-U-ASC-C
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE
70 CRI, 4000K LEDS AND TYPE II OPTIC, CANTILEVER MOUNT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2006 lumens
Efficiency: N/A
Efficacy: 83.6 lumens/watt
Luminous Opening: Circular (Dia: 1.62' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

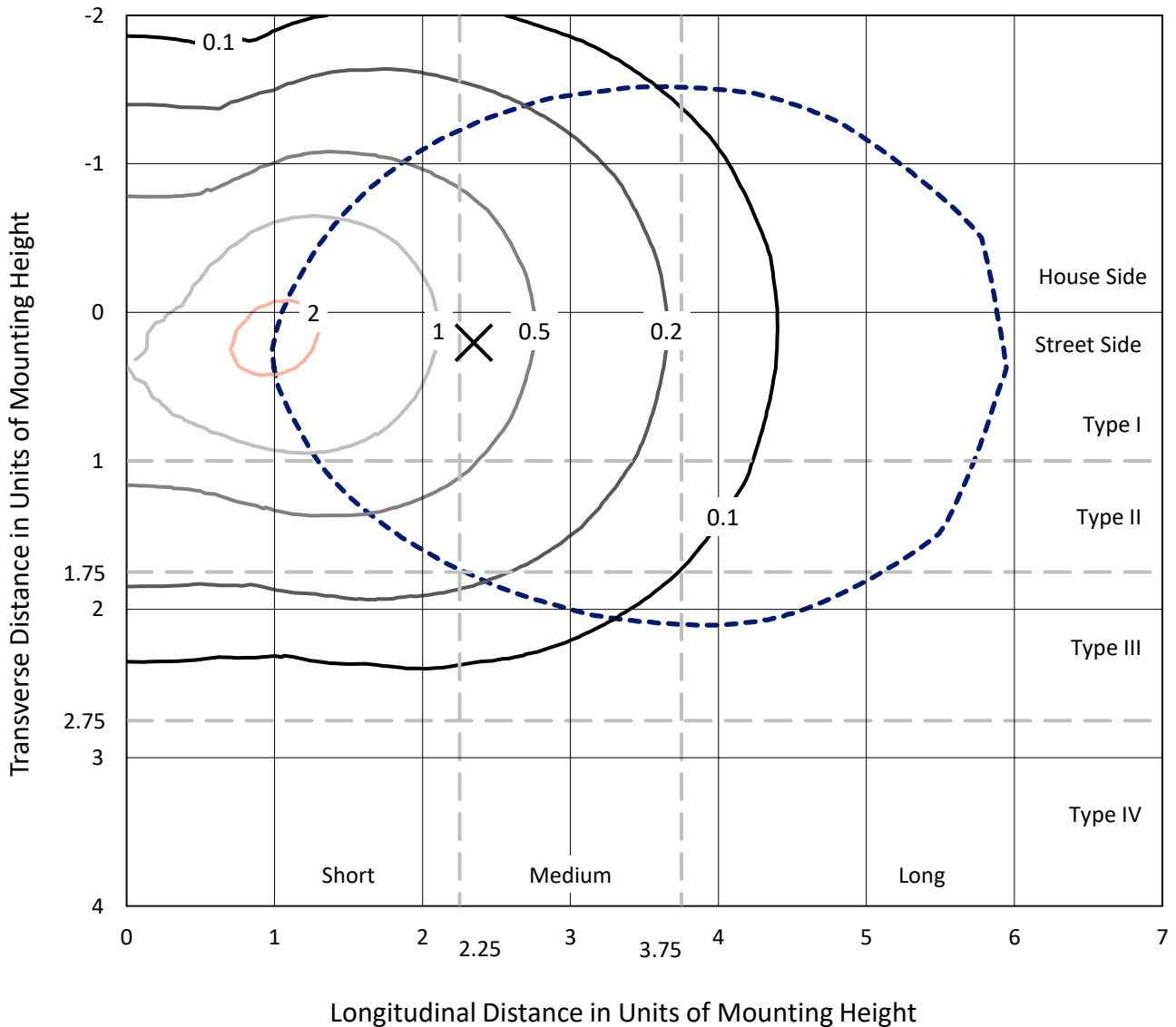
Input Watts (W): 24
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

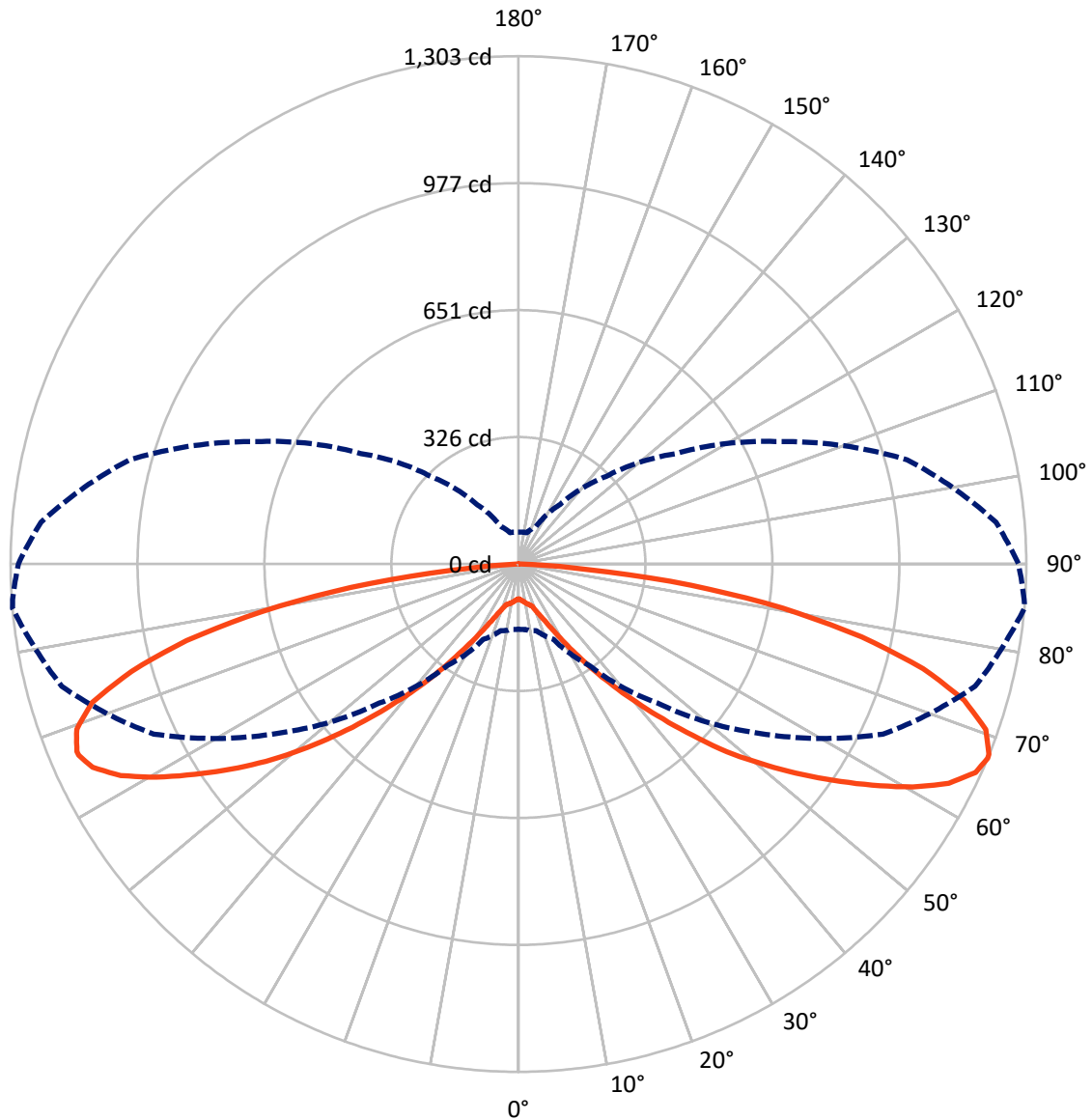
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.2 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 85-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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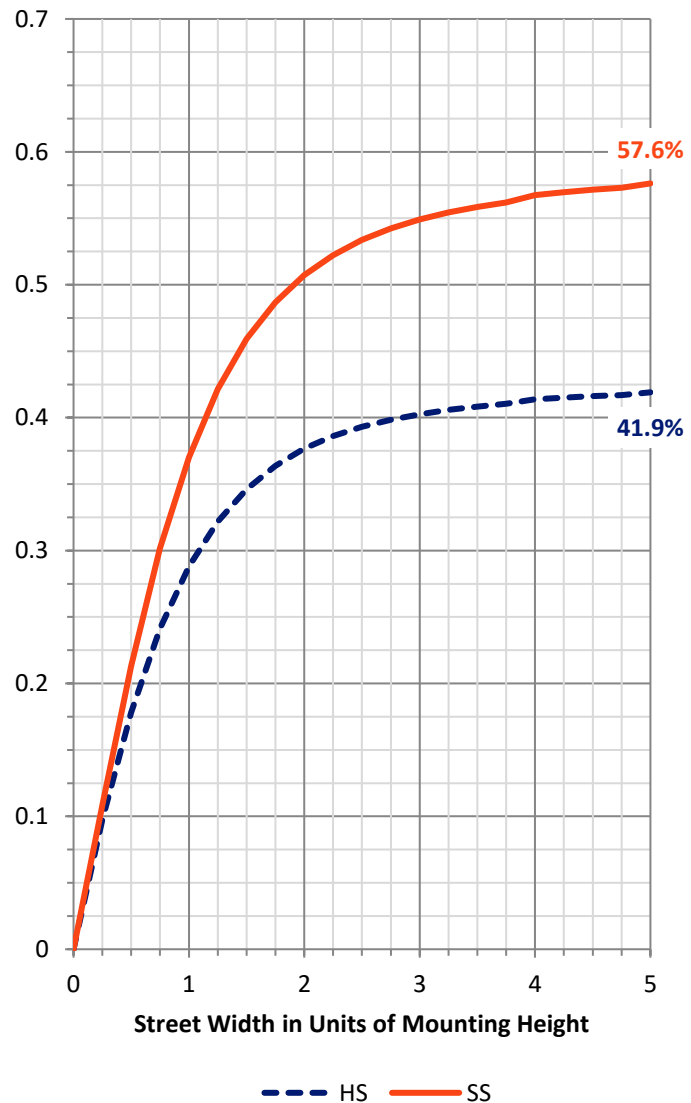
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	844.6	0.0	844.6
	% Fixture	42.1	0.0	42.1
Street Side	Lumens	1161.4	0.0	1161.4
	% Fixture	57.9	0.0	57.9
Total	Lumens	2006.0	0.0	2006.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.1	0.5
10°-20°	30.0	1.5
20°-30°	65.1	3.2
30°-40°	134.9	6.7
40°-50°	251.5	12.5
50°-60°	408.3	20.4
60°-70°	539.5	26.9
70°-80°	457.8	22.8
80°-90°	109.9	5.5
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°	2006.0	100.0
0°-180°	2006.0	100.0



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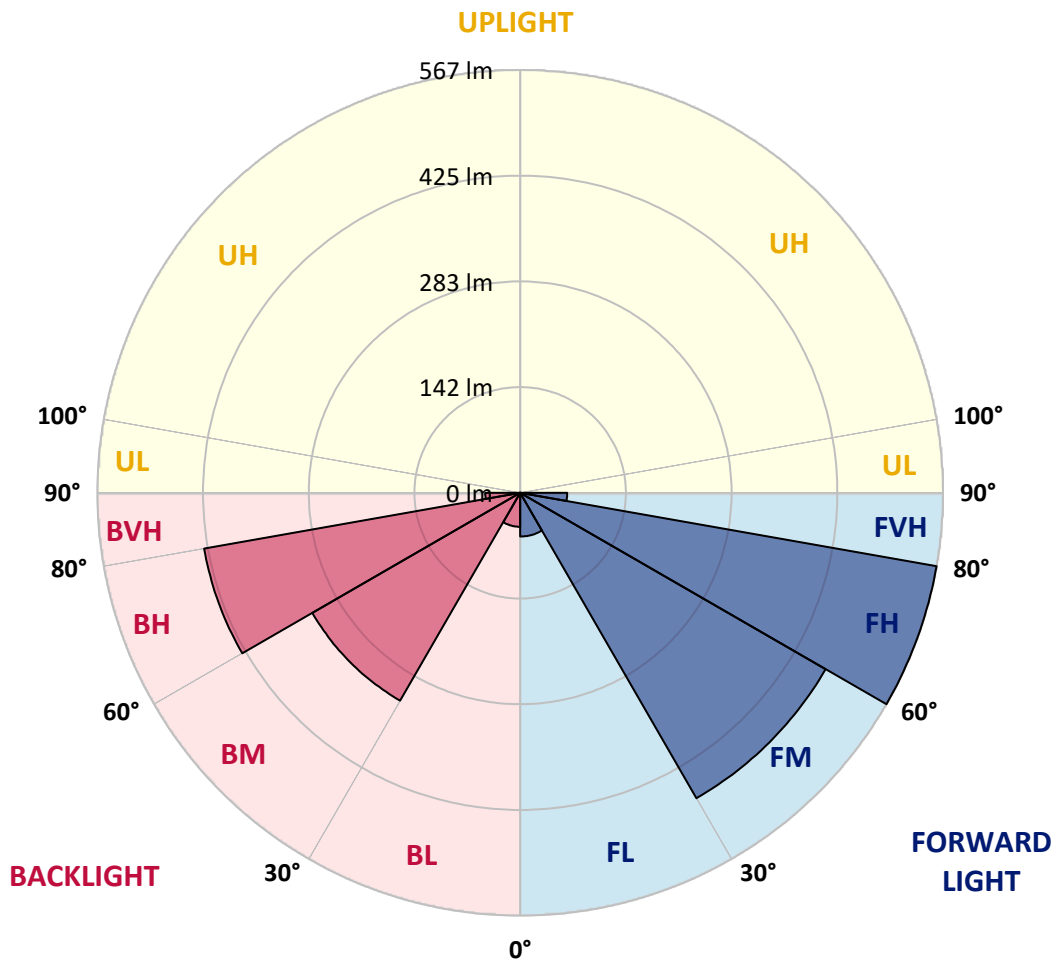
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	58.6	2.9			
FM (30°-60°)	472.9	23.6			
FH (60°-80°)	567.0	28.3			G0/660
FVH (80°-90°)	63.0	3.1			G1/100
BL (0°-30°)	45.6	2.3	B0/110		
BM (30°-60°)	321.8	16.0	B1/1000		
BH (60°-80°)	430.4	21.5	B1/500		G1/500
BVH (80°-90°)	46.8	2.3			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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	86°
0°	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
2.5°	91.2	92.2	92.2	92.2	92.2	92.2	91.2	91.2	91.2	91.2	91.2
5°	95.2	95.2	95.2	95.2	95.2	95.2	95.2	94.2	94.2	94.2	94.2
7.5°	97.2	97.2	97.2	98.2	99.2	99.2	99.2	98.2	97.2	97.2	97.2
10°	98.2	98.2	99.2	100.2	102.2	103.2	103.2	103.2	101.2	101.2	101.2
12.5°	102.2	102.2	102.2	104.2	106.2	108.2	109.2	109.2	106.2	105.2	105.2
15°	106.2	106.2	107.2	109.2	112.2	114.2	114.2	115.2	112.2	109.2	108.2
17.5°	112.2	112.2	113.2	116.2	120.2	121.2	121.2	121.2	118.2	113.2	113.2
20°	121.2	121.2	123.2	126.2	130.3	133.3	136.3	135.3	133.3	127.2	126.2
22.5°	126.2	127.2	130.3	135.3	142.3	147.3	154.3	154.3	153.3	144.3	144.3
25°	131.3	131.3	134.3	142.3	154.3	164.3	177.3	180.3	177.3	166.3	165.3
27.5°	138.3	138.3	142.3	150.3	165.3	184.4	202.4	214.4	211.4	194.4	192.4
30°	146.3	146.3	151.3	162.3	178.3	205.4	233.4	256.5	255.5	234.5	233.4
32.5°	155.3	155.3	160.3	172.3	195.4	225.4	267.5	298.6	303.6	281.5	281.5
35°	167.3	168.3	173.3	184.4	212.4	251.5	303.6	343.7	355.7	335.6	333.6
37.5°	171.3	172.3	180.3	198.4	228.4	283.5	340.7	394.8	416.8	396.8	392.8
40°	174.3	175.3	183.4	205.4	245.5	309.6	379.7	451.9	484.9	465.9	460.9
42.5°	177.3	178.3	186.4	209.4	260.5	332.6	419.8	513.0	560.1	543.0	538.0
45°	177.3	178.3	188.4	213.4	272.5	354.7	462.9	573.1	637.2	627.2	623.2
47.5°	177.3	178.3	189.4	219.4	280.5	380.7	506.0	633.2	711.4	719.4	710.4
50°	182.4	184.4	194.4	223.4	295.6	408.8	548.1	694.3	786.5	803.5	797.5
52.5°	183.4	184.4	196.4	228.4	309.6	434.8	591.1	756.5	865.7	890.7	882.7
55°	190.4	190.4	200.4	235.5	320.6	460.9	637.2	819.6	952.8	978.9	973.9
57.5°	191.4	193.4	202.4	238.5	331.6	488.9	687.3	884.7	1034.0	1070.1	1063.0
60°	188.4	189.4	200.4	236.5	337.6	509.0	728.4	948.8	1105.1	1161.2	1154.2
62.5°	182.4	183.4	194.4	232.4	336.6	517.0	755.5	998.9	1161.2	1238.4	1231.4
65°	175.3	176.3	186.4	223.4	328.6	514.0	763.5	1028.0	1201.3	1288.5	1285.5
67°	167.3	168.3	177.3	213.4	317.6	504.0	757.5	1032.0	1212.3	1302.5	1300.5
67.5°	164.3	166.3	175.3	210.4	314.6	500.0	753.5	1030.0	1212.3	1301.5	1300.5
70°	151.3	152.3	161.3	193.4	294.6	474.9	724.4	997.9	1189.3	1271.4	1273.5
72.5°	135.3	136.3	143.3	173.3	268.5	436.8	675.3	934.8	1120.2	1195.3	1200.3
75°	117.2	118.2	124.2	151.3	231.4	384.7	603.2	835.6	1009.9	1072.1	1071.1
77.5°	97.2	97.2	102.2	123.2	191.4	319.6	508.0	704.4	850.6	899.7	899.7
80°	74.1	75.1	79.2	92.2	144.3	240.5	391.8	548.1	653.3	687.3	695.3
82.5°	49.1	50.1	53.1	59.1	93.2	156.3	256.5	362.7	428.8	445.9	451.9
85°	24.0	22.0	24.0	27.1	40.1	63.1	106.2	143.3	178.3	176.3	186.4
87.5°	4.0	4.0	4.0	4.0	4.0	3.0	3.0	3.0	3.0	2.0	2.0
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°	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
2.5°	91.2	91.2	91.2	91.2	91.2	91.2	91.2	90.2	90.2	90.2	90.2
5°	94.2	93.2	93.2	93.2	92.2	91.2	91.2	90.2	90.2	90.2	89.2
7.5°	97.2	97.2	96.2	94.2	93.2	92.2	92.2	91.2	91.2	91.2	91.2
10°	100.2	100.2	98.2	97.2	95.2	94.2	94.2	93.2	92.2	91.2	91.2
12.5°	104.2	103.2	100.2	98.2	97.2	97.2	95.2	93.2	92.2	91.2	91.2
15°	107.2	106.2	101.2	98.2	97.2	96.2	95.2	93.2	92.2	92.2	92.2
17.5°	111.2	109.2	102.2	99.2	97.2	96.2	96.2	95.2	94.2	93.2	93.2
20°	123.2	120.2	111.2	105.2	101.2	100.2	100.2	97.2	94.2	94.2	94.2
22.5°	139.3	134.3	121.2	112.2	106.2	105.2	102.2	98.2	96.2	95.2	95.2
25°	161.3	153.3	137.3	122.2	113.2	109.2	105.2	101.2	98.2	97.2	97.2
27.5°	185.4	177.3	157.3	137.3	123.2	114.2	109.2	104.2	99.2	97.2	97.2
30°	221.4	209.4	181.3	155.3	133.3	120.2	113.2	106.2	101.2	99.2	99.2
32.5°	265.5	248.5	208.4	176.3	147.3	127.2	116.2	109.2	103.2	101.2	100.2
35°	316.6	295.6	244.5	197.4	160.3	135.3	119.2	111.2	103.2	100.2	100.2
37.5°	377.7	353.7	289.6	226.4	178.3	143.3	123.2	112.2	104.2	102.2	102.2
40°	442.9	416.8	340.7	265.5	199.4	153.3	127.2	114.2	106.2	103.2	103.2
42.5°	518.0	485.9	400.8	308.6	225.4	169.3	133.3	116.2	106.2	103.2	102.2
45°	600.2	564.1	460.9	353.7	258.5	186.4	141.3	116.2	107.2	104.2	103.2
47.5°	687.3	647.2	527.0	403.8	289.6	201.4	148.3	116.2	108.2	104.2	103.2
50°	777.5	734.4	597.1	454.9	324.6	219.4	154.3	117.2	107.2	103.2	102.2
52.5°	868.7	821.6	675.3	510.0	358.7	241.5	161.3	118.2	106.2	103.2	102.2
55°	959.8	905.7	754.5	564.1	394.8	265.5	170.3	118.2	106.2	102.2	101.2
57.5°	1045.0	989.9	835.6	616.2	427.8	284.5	176.3	119.2	103.2	99.2	98.2
60°	1136.2	1077.1	907.7	666.3	455.9	300.6	181.3	118.2	98.2	97.2	96.2
62.5°	1209.3	1155.2	966.9	705.4	475.9	311.6	186.4	115.2	94.2	93.2	93.2
65°	1263.4	1210.3	1012.9	733.4	490.9	318.6	188.4	110.2	88.2	87.2	87.2
67°	1282.5	1229.4	1032.0	742.4	494.0	317.6	187.4	106.2	83.2	82.2	82.2
67.5°	1283.5	1230.4	1034.0	742.4	494.0	316.6	186.4	106.2	82.2	81.2	81.2
70°	1261.4	1209.3	1022.0	729.4	481.9	304.6	177.3	99.2	74.1	73.1	74.1
72.5°	1191.3	1150.2	966.9	694.3	450.9	281.5	164.3	90.2	66.1	65.1	65.1
75°	1067.1	1030.0	869.7	622.2	402.8	246.5	145.3	81.2	58.1	55.1	56.1
77.5°	895.7	873.7	729.4	528.0	334.6	204.4	121.2	68.1	47.1	44.1	45.1
80°	682.3	668.3	550.1	405.8	249.5	152.3	92.2	54.1	35.1	32.1	34.1
82.5°	438.8	433.8	359.7	258.5	151.3	92.2	58.1	35.1	23.0	20.0	22.0
85°	172.3	175.3	132.3	90.2	53.1	27.1	20.0	15.0	11.0	8.0	8.0
87.5°	1.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
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)