

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: P682734

Luminaire Tested: **CCP-SA-1-AMB-U-AFL**

Issue Date: 04/26/2023

Test Information

Test Method: LM-79-08
Report Number: P682734
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1-AMB-U-AFL
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @500mA w/ AFL
distribution lens
Light Source: (16) 1620 CCT, 0 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1151.9 lumens
Efficiency: N/A
Efficacy: 51.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G0

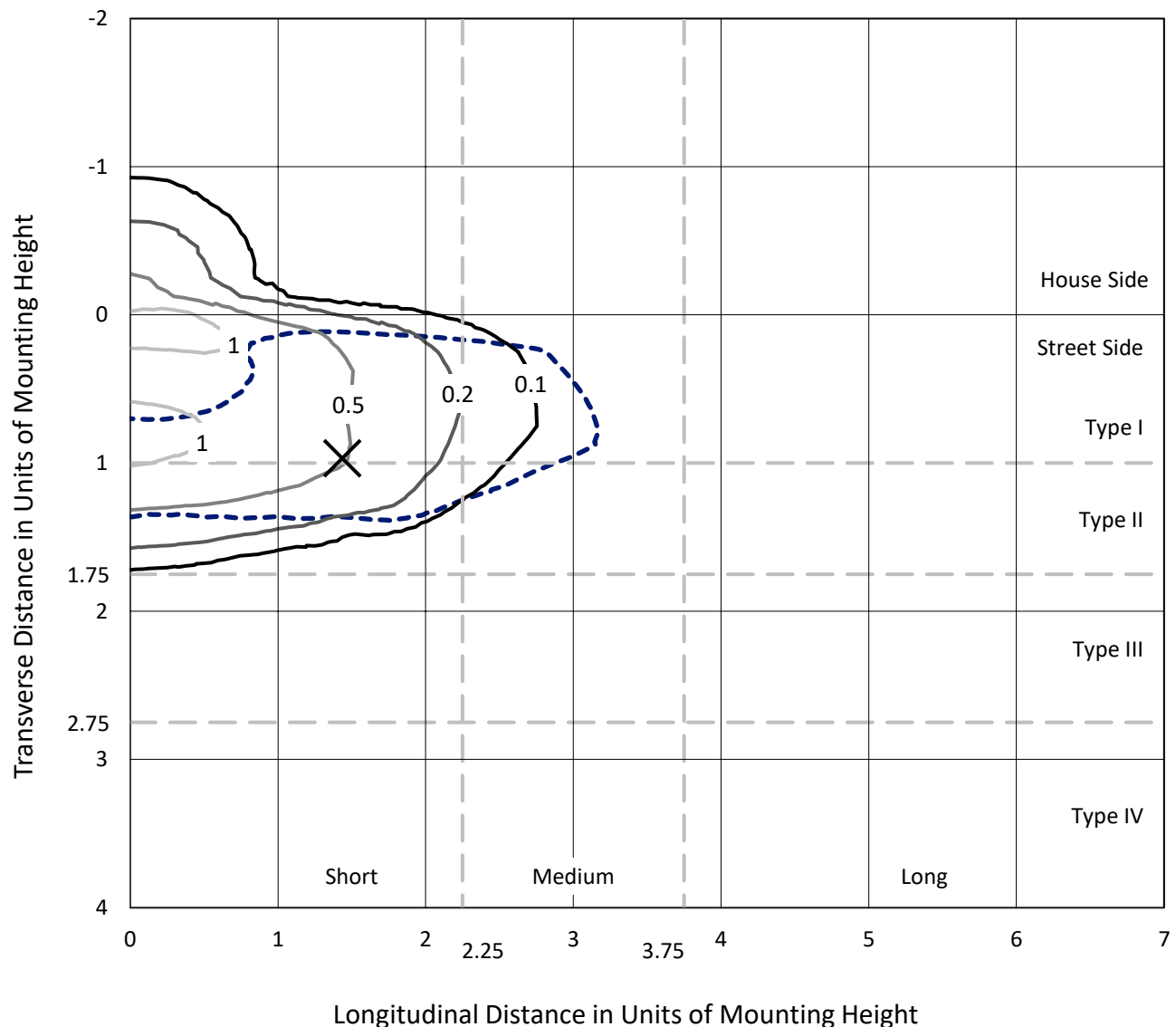
Input Watts (W): 22.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

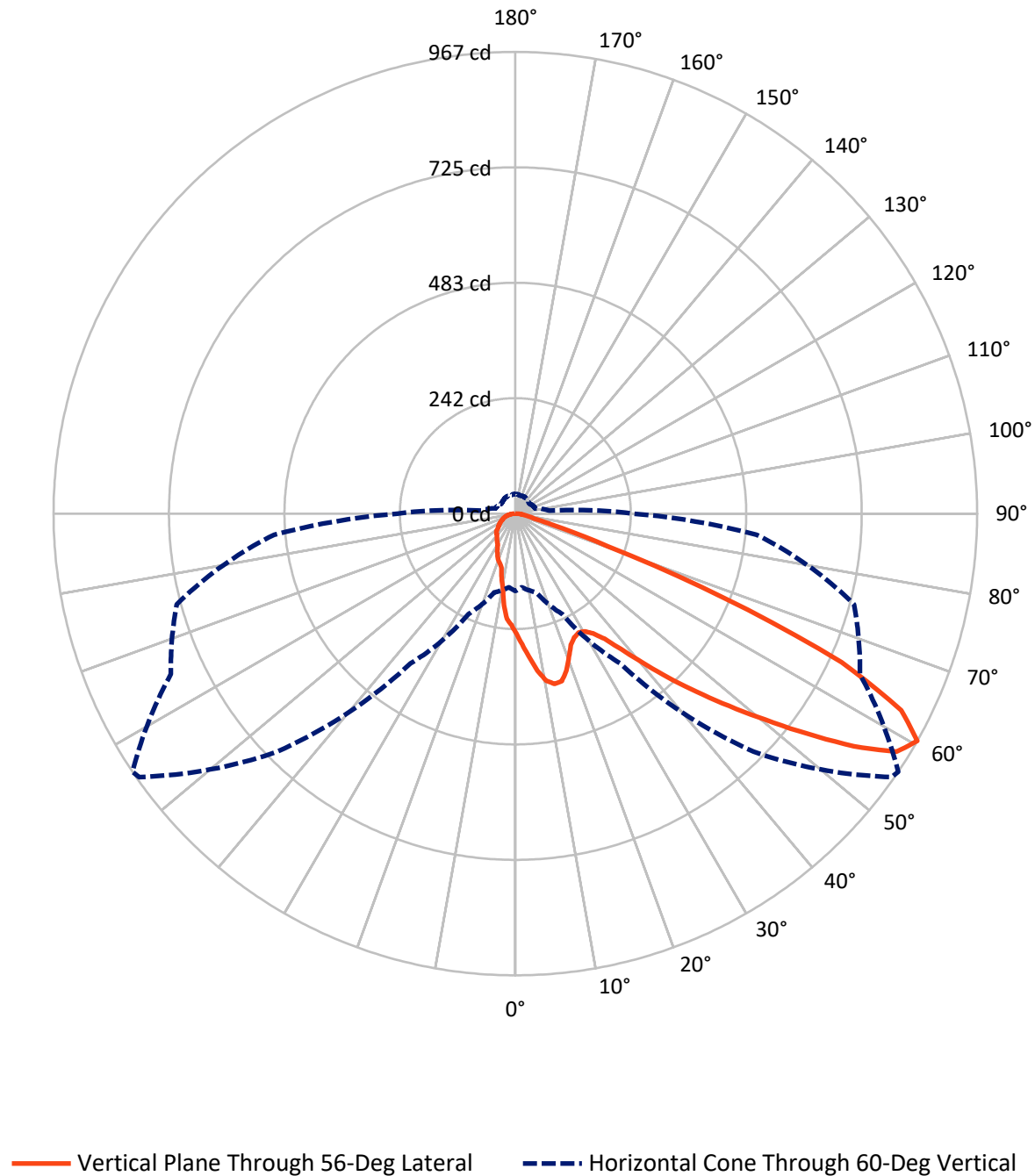


Based on 15 foot mounting height. Maximum calculated value = 1.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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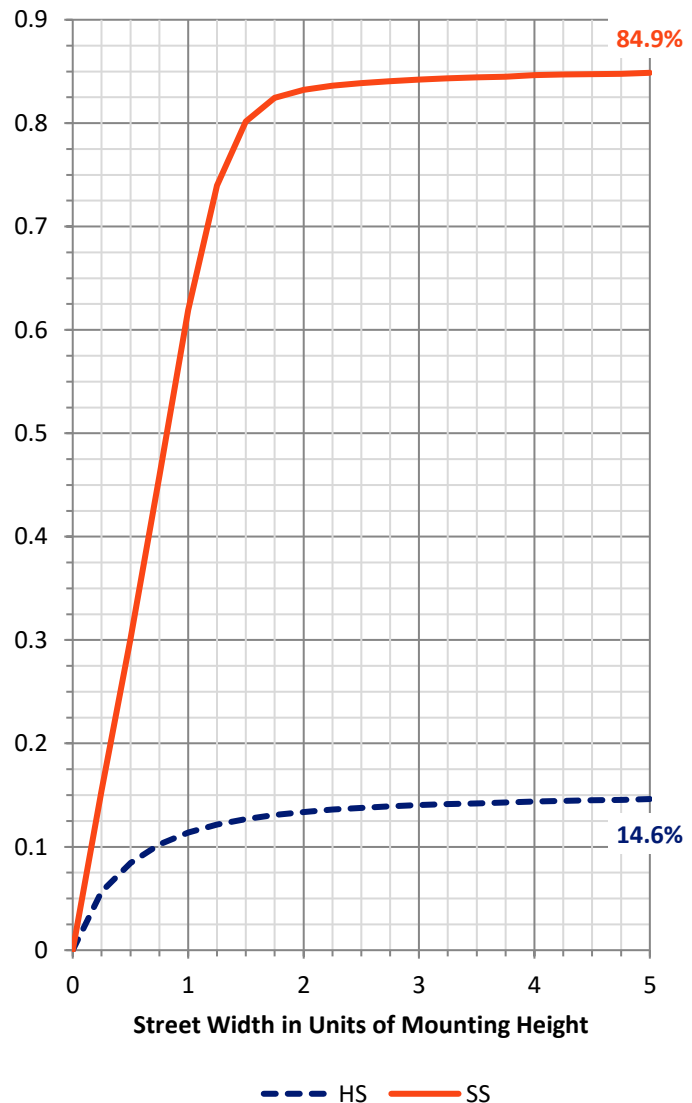
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	171.7	0.0	171.7
	% Fixture	14.9	0.0	14.9
Street Side	Lumens	980.2	0.0	980.2
	% Fixture	85.1	0.0	85.1
Total	Lumens	1151.9	0.0	1151.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.9	2.1
10°-20°	62.9	5.5
20°-30°	93.1	8.1
30°-40°	148.4	12.9
40°-50°	243.8	21.2
50°-60°	295.6	25.7
60°-70°	200.7	17.4
70°-80°	70.7	6.1
80°-90°	12.7	1.1
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°	1151.9	100.0
0°-180°	1151.9	100.0



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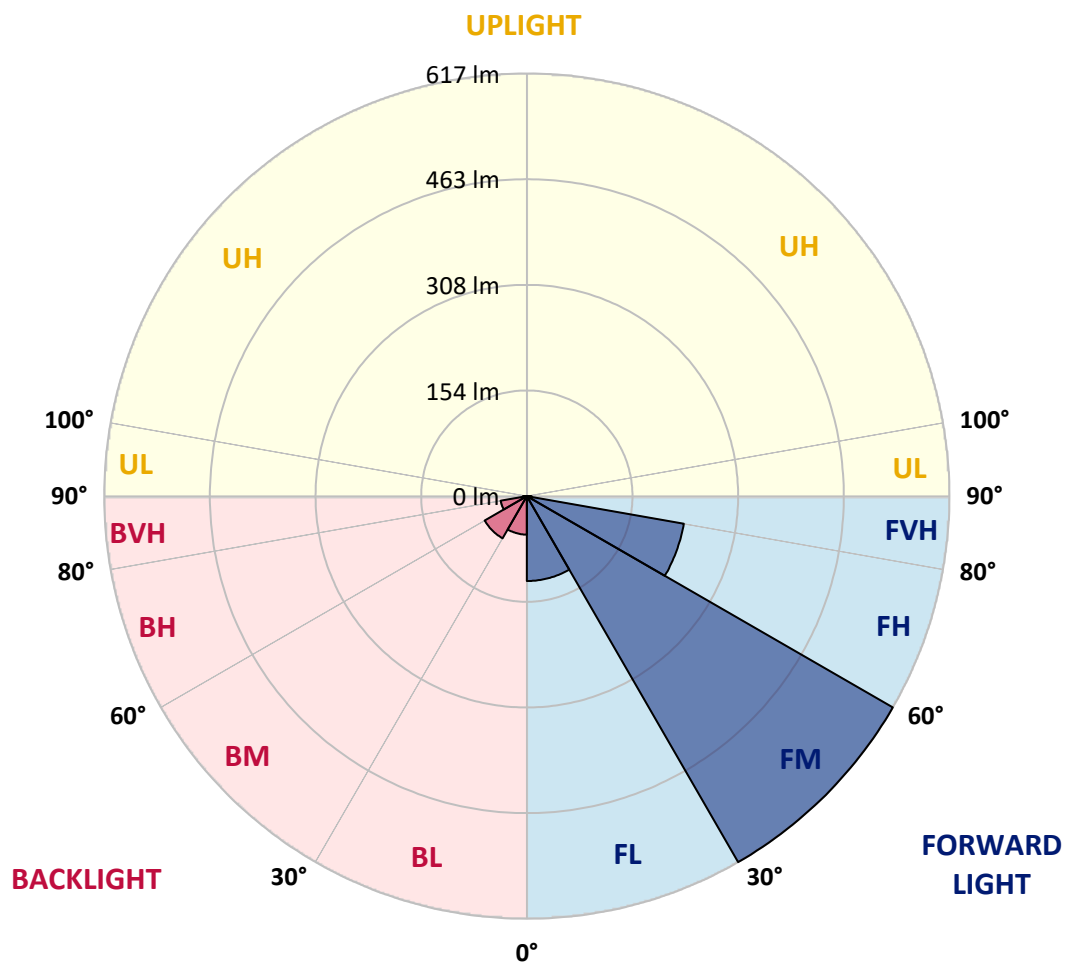
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	123.8	10.8			
FM	(30°-60°)	616.8	53.5			
FH	(60°-80°)	232.7	20.2			G0/660
FVH	(80°-90°)	6.9	0.6			G0/10
BL	(0°-30°)	56.1	4.9	B0/110		
BM	(30°-60°)	71.0	6.2	B0/220		
BH	(60°-80°)	38.8	3.4	B0/110		G0/110
BVH	(80°-90°)	5.7	0.5			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G0

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	250.9	250.9	250.9	250.9	250.9	250.9	250.9	250.9	250.9	250.9	250.9
2.5°	290.9	286.9	286.9	281.9	280.9	278.9	273.9	273.9	267.9	261.9	255.9
5°	324.9	325.9	322.9	319.9	317.9	309.9	300.9	300.9	290.9	278.9	266.9
7.5°	318.9	322.9	325.9	330.9	337.8	339.8	332.9	331.9	316.9	298.9	279.9
10°	274.9	278.9	285.9	304.9	325.9	346.8	353.8	355.8	346.8	320.9	294.9
12.5°	231.9	235.9	242.9	260.9	289.9	331.9	362.8	365.8	371.8	342.8	310.9
15°	210.9	211.9	214.9	226.9	254.9	300.9	357.8	363.8	388.8	366.8	326.9
17.5°	198.9	200.9	202.9	211.9	228.9	268.9	337.8	345.8	399.8	386.8	337.8
20°	195.9	195.9	197.9	204.9	218.9	247.9	310.9	319.9	398.8	401.8	342.8
22.5°	210.9	210.9	206.9	206.9	216.9	239.9	288.9	297.9	388.8	410.8	342.8
25°	244.9	243.9	233.9	226.9	225.9	242.9	279.9	286.9	372.8	416.8	339.8
27.5°	283.9	282.9	269.9	256.9	247.9	251.9	276.9	281.9	361.8	421.8	337.8
30°	340.8	338.8	321.9	298.9	275.9	268.9	280.9	285.9	351.8	426.8	338.8
32.5°	405.8	401.8	381.8	351.8	319.9	295.9	296.9	298.9	349.8	433.8	339.8
35°	471.8	466.8	437.8	411.8	372.8	338.8	320.9	321.9	358.8	446.8	344.8
37.5°	534.8	532.8	504.8	471.8	430.8	390.8	358.8	359.8	379.8	466.8	354.8
40°	591.7	587.7	565.7	536.8	490.8	447.8	410.8	409.8	407.8	496.8	370.8
42.5°	633.7	628.7	613.7	600.7	552.8	507.8	470.8	468.8	452.8	536.8	390.8
45°	656.7	649.7	640.7	648.7	620.7	572.7	532.8	531.8	517.8	581.7	416.8
47.5°	651.7	643.7	647.7	679.7	679.7	645.7	604.7	601.7	579.7	639.7	441.8
50°	588.7	579.7	619.7	690.7	725.7	724.7	682.7	677.7	639.7	689.7	468.8
52.5°	516.8	509.8	535.8	653.7	741.7	797.6	773.7	765.7	681.7	717.7	484.8
55°	422.8	411.8	439.8	546.8	699.7	838.6	867.6	859.6	713.7	728.7	493.8
57.5°	285.9	274.9	314.9	397.8	579.7	817.6	947.6	940.6	741.7	732.7	498.8
60°	161.9	154.9	170.9	231.9	382.8	704.7	961.6	966.6	795.6	733.7	506.8
62.5°	84.0	81.0	87.0	114.9	194.9	473.8	891.6	906.6	851.6	743.7	519.8
65°	64.0	61.0	55.0	59.0	89.0	229.9	719.7	750.7	818.6	744.7	520.8
67.5°	55.0	53.0	46.0	44.0	51.0	97.0	415.8	470.8	677.7	719.7	515.8
70°	49.0	48.0	41.0	38.0	39.0	52.0	180.9	204.9	479.8	665.7	489.8
72.5°	43.0	42.0	36.0	32.0	32.0	36.0	68.0	80.0	281.9	525.8	382.8
75°	38.0	37.0	32.0	28.0	26.0	27.0	38.0	40.0	127.9	298.9	211.9
77.5°	33.0	32.0	28.0	24.0	22.0	20.0	28.0	29.0	54.0	117.9	101.0
80°	27.0	27.0	24.0	20.0	18.0	16.0	19.0	20.0	31.0	51.0	53.0
82.5°	20.0	22.0	21.0	17.0	14.0	12.0	13.0	14.0	22.0	32.0	25.0
85°	8.0	9.0	14.0	12.0	10.0	8.0	10.0	10.0	15.0	19.0	7.0
87.5°	4.0	4.0	7.0	6.0	5.0	3.0	5.0	5.0	8.0	9.0	3.0
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°	250.9	250.9	250.9	250.9	250.9	250.9	250.9	250.9	250.9	250.9	250.9
2.5°	254.9	250.9	243.9	238.9	232.9	226.9	223.9	223.9	218.9	219.9	219.9
5°	262.9	255.9	244.9	234.9	219.9	205.9	191.9	181.9	172.9	167.9	170.9
7.5°	272.9	262.9	243.9	222.9	189.9	160.9	145.9	139.9	135.9	132.9	133.9
10°	282.9	268.9	241.9	195.9	152.9	136.9	124.9	119.9	118.9	119.9	120.9
12.5°	294.9	276.9	228.9	162.9	134.9	115.9	117.9	121.9	122.9	124.9	124.9
15°	302.9	280.9	208.9	141.9	113.9	113.9	119.9	125.9	127.9	128.9	129.9
17.5°	307.9	277.9	179.9	123.9	108.0	113.9	120.9	126.9	127.9	129.9	130.9
20°	304.9	266.9	150.9	104.0	105.0	111.0	116.9	119.9	121.9	122.9	123.9
22.5°	298.9	250.9	128.9	95.0	99.0	104.0	108.0	110.0	108.0	107.0	108.0
25°	288.9	222.9	109.0	87.0	91.0	95.0	98.0	95.0	92.0	92.0	92.0
27.5°	278.9	198.9	89.0	79.0	83.0	86.0	85.0	85.0	84.0	82.0	83.0
30°	269.9	171.9	75.0	72.0	75.0	78.0	79.0	80.0	79.0	78.0	79.0
32.5°	260.9	146.9	67.0	67.0	72.0	72.0	76.0	78.0	77.0	73.0	74.0
35°	251.9	126.9	61.0	63.0	68.0	70.0	74.0	74.0	69.0	65.0	66.0
37.5°	245.9	112.0	56.0	61.0	64.0	67.0	70.0	67.0	66.0	63.0	63.0
40°	239.9	101.0	53.0	58.0	61.0	65.0	62.0	63.0	63.0	60.0	60.0
42.5°	235.9	89.0	51.0	57.0	58.0	59.0	57.0	59.0	59.0	57.0	57.0
45°	233.9	80.0	50.0	54.0	57.0	53.0	52.0	54.0	55.0	54.0	54.0
47.5°	227.9	73.0	49.0	52.0	54.0	50.0	49.0	49.0	51.0	52.0	52.0
50°	227.9	69.0	49.0	50.0	48.0	47.0	46.0	46.0	48.0	49.0	49.0
52.5°	228.9	69.0	48.0	48.0	45.0	45.0	44.0	43.0	45.0	47.0	47.0
55°	227.9	69.0	47.0	45.0	42.0	43.0	42.0	41.0	43.0	44.0	44.0
57.5°	233.9	69.0	45.0	43.0	39.0	40.0	41.0	40.0	41.0	42.0	42.0
60°	246.9	71.0	43.0	40.0	36.0	37.0	39.0	40.0	39.0	41.0	41.0
62.5°	267.9	72.0	42.0	37.0	33.0	35.0	38.0	39.0	38.0	41.0	41.0
65°	274.9	73.0	40.0	34.0	30.0	33.0	35.0	37.0	37.0	40.0	40.0
67.5°	271.9	74.0	37.0	31.0	28.0	30.0	33.0	34.0	35.0	39.0	39.0
70°	244.9	77.0	35.0	28.0	26.0	28.0	30.0	31.0	32.0	38.0	37.0
72.5°	188.9	74.0	32.0	24.0	23.0	25.0	27.0	29.0	30.0	35.0	34.0
75°	125.9	64.0	26.0	21.0	20.0	22.0	24.0	25.0	28.0	34.0	34.0
77.5°	76.0	48.0	21.0	18.0	17.0	19.0	20.0	23.0	29.0	32.0	32.0
80°	43.0	33.0	17.0	14.0	14.0	16.0	17.0	23.0	25.0	30.0	30.0
82.5°	23.0	20.0	13.0	11.0	11.0	12.0	15.0	19.0	23.0	22.0	20.0
85°	8.0	10.0	8.0	7.0	8.0	7.0	14.0	17.0	13.0	14.0	13.0
87.5°	3.0	5.0	4.0	3.0	3.0	3.0	8.0	5.0	6.0	4.0	3.0
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)