

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: P683022

Luminaire Tested: **CCP-SA-1-AMB-U-T3R**

Issue Date: 04/26/2023



Test Information

Test Method: LM-79-08
Report Number: P683022
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-T3R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @500mA w/ T3R distribution lens
Light Source: (16) 1620 CCT, 0 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1162 lumens
Efficiency: N/A
Efficacy: 51.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B0 - U0 - G1

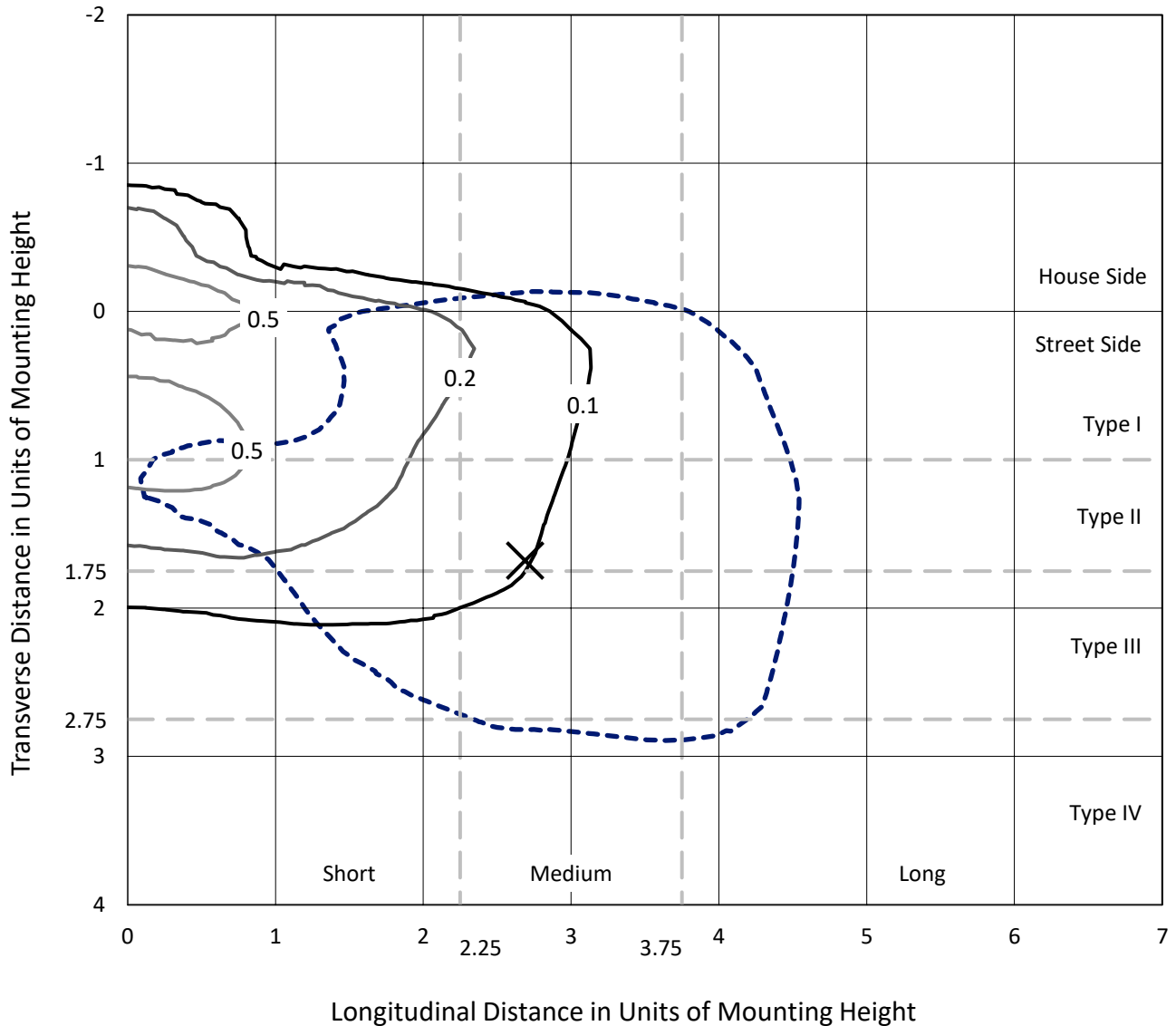
Input Watts (W): 22.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

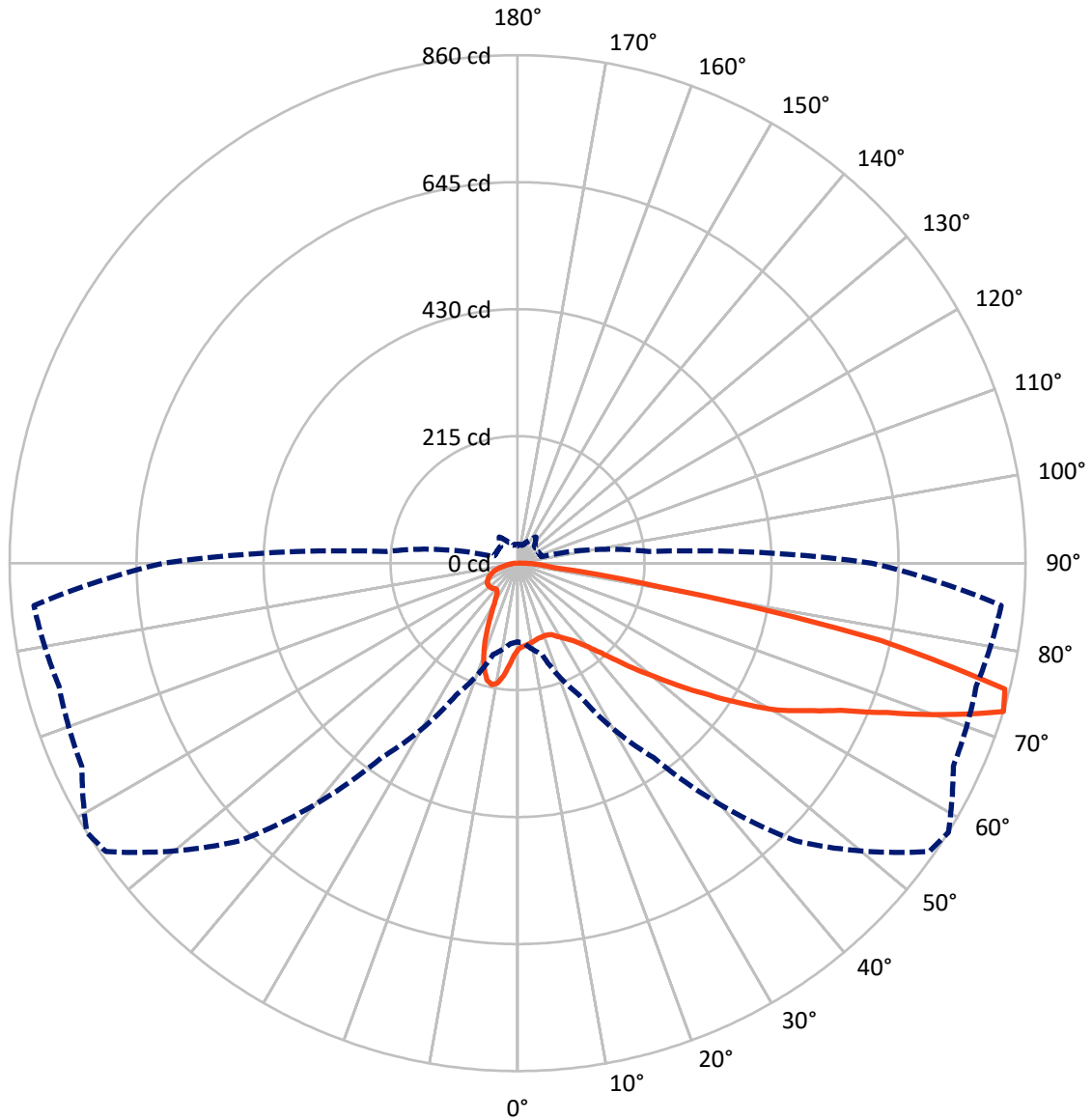
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 0.9 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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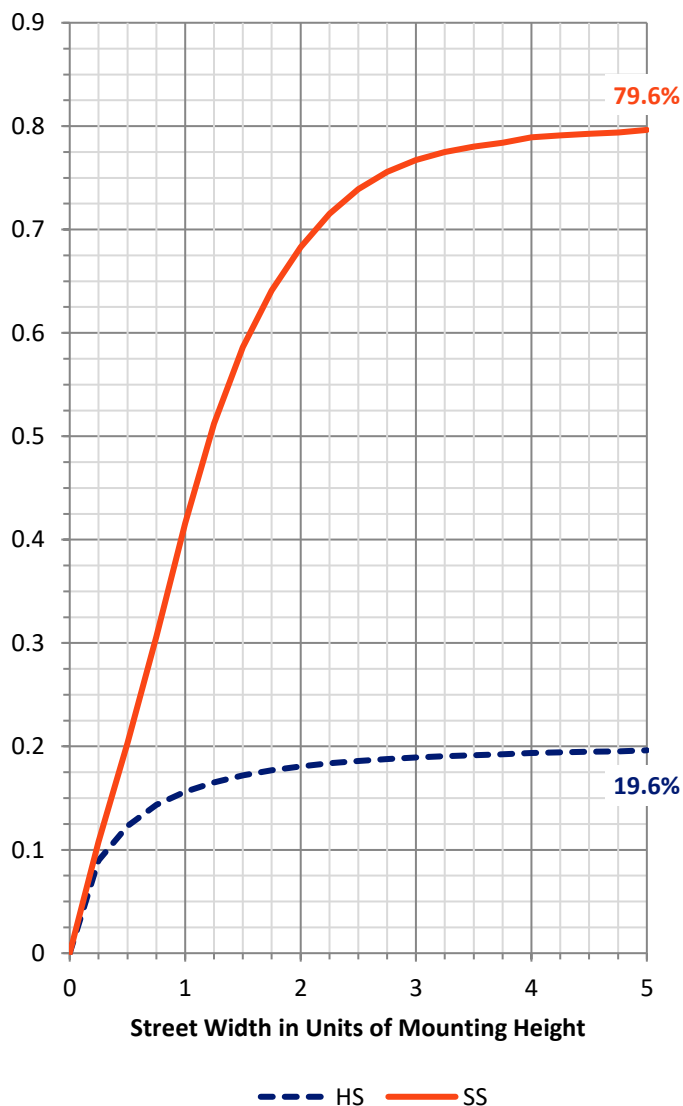
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	231.8	0.0	231.8
	% Fixture	19.9	0.0	19.9
Street Side	Lumens	930.2	0.0	930.2
	% Fixture	80.1	0.0	80.1
Total	Lumens	1162.0	0.0	1162.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.9	1.3
10°-20°	42.6	3.7
20°-30°	66.8	5.7
30°-40°	102.0	8.8
40°-50°	160.4	13.8
50°-60°	226.1	19.5
60°-70°	283.6	24.4
70°-80°	240.6	20.7
80°-90°	24.9	2.1
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°	1162.0	100.0
0°-180°	1162.0	100.0



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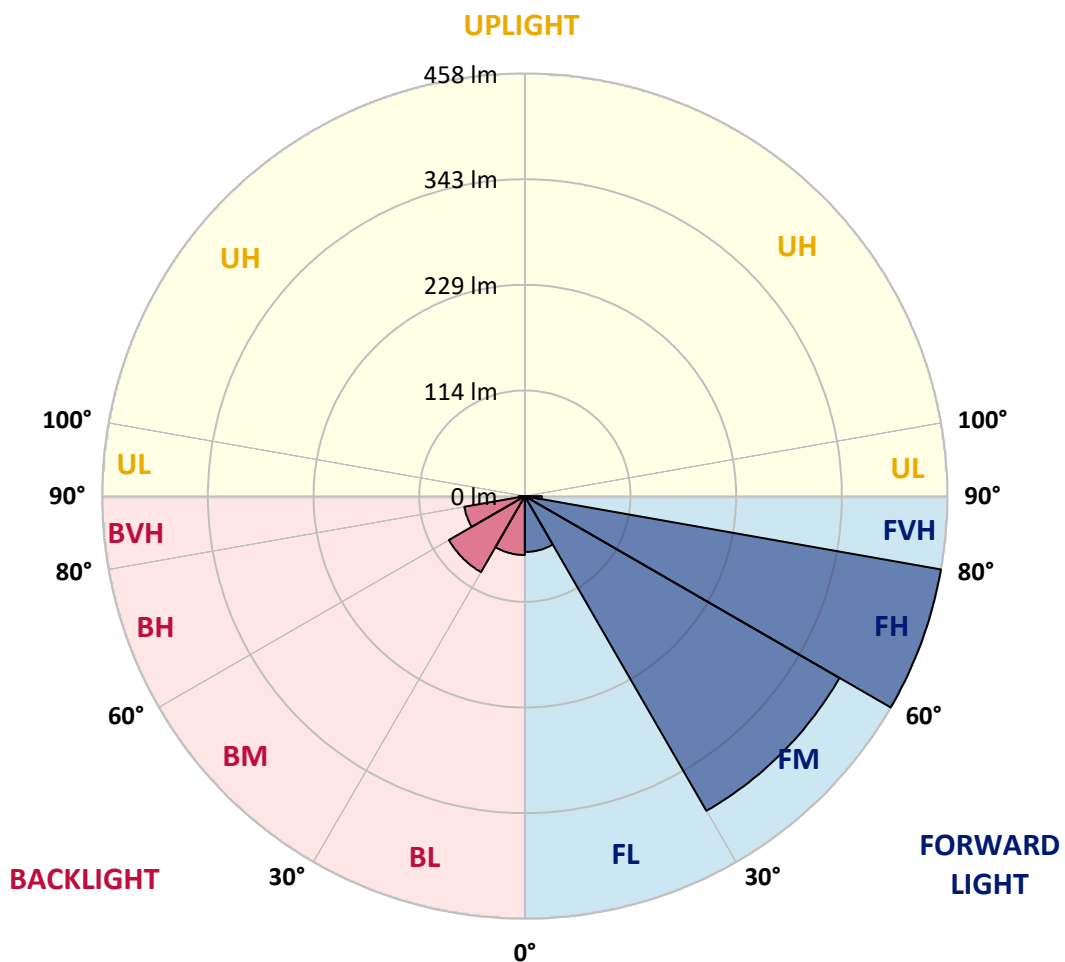
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	60.5	5.2			
FM (30°-60°)	393.5	33.9			
FH (60°-80°)	457.7	39.4			G0/660
FVH (80°-90°)	18.4	1.6			G1/100
BL (0°-30°)	63.8	5.5	B0/110		
BM (30°-60°)	95.0	8.2	B0/220		
BH (60°-80°)	66.5	5.7	B0/110		G0/110
BVH (80°-90°)	6.5	0.6			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°	45°	55°	58°	65°	75°	85°
0°	145.9	145.9	145.9	145.9	145.9	145.9	145.9	145.9	145.9	145.9	145.9
2.5°	135.9	136.9	136.9	136.9	139.9	141.9	140.9	141.9	142.9	144.9	146.9
5°	124.9	125.9	127.9	128.9	131.9	136.9	138.9	139.9	142.9	145.9	149.9
7.5°	112.0	113.0	114.9	117.9	123.9	129.9	135.9	137.9	143.9	148.9	154.9
10°	109.0	109.0	110.0	110.0	113.9	122.9	132.9	135.9	143.9	151.9	159.9
12.5°	108.0	108.0	108.0	108.0	111.0	116.9	129.9	133.9	144.9	155.9	165.9
15°	107.0	107.0	108.0	107.0	109.0	114.9	126.9	131.9	146.9	161.9	172.9
17.5°	109.0	109.0	109.0	108.0	110.0	113.9	125.9	131.9	148.9	166.9	179.9
20°	113.9	114.9	113.0	111.0	112.0	114.9	125.9	130.9	149.9	169.9	183.9
22.5°	130.9	129.9	125.9	118.9	116.9	118.9	126.9	131.9	150.9	171.9	185.9
25°	156.9	154.9	148.9	136.9	126.9	124.9	129.9	133.9	153.9	175.9	189.9
27.5°	192.9	191.9	178.9	159.9	144.9	134.9	135.9	139.9	157.9	180.9	194.9
30°	232.9	230.9	217.9	190.9	165.9	148.9	143.9	145.9	163.9	187.9	201.9
32.5°	266.9	266.9	252.9	221.9	190.9	165.9	152.9	152.9	167.9	191.9	206.9
35°	303.9	304.9	287.9	257.9	220.9	187.9	162.9	160.9	172.9	195.9	211.9
37.5°	350.8	347.8	326.9	291.9	255.9	212.9	176.9	172.9	178.9	202.9	219.9
40°	381.8	383.8	368.8	332.9	294.9	246.9	194.9	187.9	190.9	212.9	233.9
42.5°	392.8	398.8	403.8	385.8	338.9	279.9	217.9	207.9	207.9	231.9	257.9
45°	406.8	415.8	434.8	439.8	393.8	316.9	245.9	234.9	229.9	252.9	283.9
47.5°	416.8	426.8	457.8	482.8	444.8	360.8	279.9	267.9	256.9	277.9	316.9
50°	420.8	430.8	460.8	505.8	489.8	406.8	315.9	302.9	290.9	306.9	356.8
52.5°	411.8	424.8	458.8	510.8	519.8	447.8	359.8	346.8	327.9	345.8	403.8
55°	320.9	335.9	432.8	490.8	517.8	477.8	410.8	393.8	373.8	392.8	455.8
57.5°	287.9	295.9	349.8	463.8	498.8	495.8	463.8	448.8	427.8	443.8	511.8
60°	272.9	278.9	316.9	429.8	478.8	506.8	511.8	504.8	480.8	504.8	569.7
62.5°	258.9	262.9	297.9	386.8	474.8	520.8	554.8	549.8	535.8	565.8	639.7
65°	231.9	237.9	279.9	370.8	474.8	554.8	601.7	600.7	593.7	635.7	718.7
67.5°	207.9	210.9	246.9	346.8	480.8	599.7	668.7	674.7	663.7	704.7	774.7
70°	181.9	183.9	212.9	311.9	465.8	657.7	768.7	767.7	741.7	767.7	832.6
72.5°	132.9	136.9	159.9	245.9	401.8	664.7	850.6	859.6	813.6	803.6	821.6
75°	90.0	95.0	111.0	166.9	253.9	526.8	829.6	851.6	788.7	736.7	657.7
77.5°	59.0	63.0	78.0	109.0	114.9	250.9	588.7	626.7	562.8	490.8	337.9
80°	31.0	37.0	54.0	66.0	61.0	75.0	219.9	247.9	213.9	175.9	102.0
82.5°	15.0	17.0	34.0	35.0	33.0	38.0	56.0	61.0	68.0	68.0	35.0
85°	12.0	14.0	25.0	19.0	15.0	19.0	37.0	39.0	38.0	32.0	14.0
87.5°	5.0	7.0	18.0	13.0	6.0	7.0	22.0	24.0	22.0	16.0	6.0
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°	145.9	145.9	145.9	145.9	145.9	145.9	145.9	145.9	145.9	145.9	145.9
2.5°	147.9	148.9	151.9	154.9	155.9	158.9	160.9	163.9	163.9	163.9	164.9
5°	151.9	153.9	159.9	167.9	173.9	177.9	182.9	186.9	185.9	185.9	185.9
7.5°	158.9	161.9	173.9	185.9	193.9	195.9	195.9	193.9	188.9	186.9	187.9
10°	165.9	170.9	187.9	202.9	206.9	199.9	189.9	179.9	173.9	170.9	170.9
12.5°	172.9	180.9	203.9	215.9	207.9	186.9	172.9	162.9	156.9	154.9	155.9
15°	181.9	193.9	219.9	222.9	196.9	170.9	156.9	147.9	139.9	135.9	135.9
17.5°	188.9	205.9	230.9	217.9	178.9	154.9	137.9	121.9	115.9	114.9	114.9
20°	196.9	215.9	233.9	199.9	158.9	130.9	112.0	108.0	108.0	110.0	111.0
22.5°	201.9	223.9	228.9	178.9	135.9	105.0	99.0	105.0	108.0	110.0	111.0
25°	207.9	229.9	218.9	157.9	107.0	89.0	95.0	103.0	108.0	111.0	112.0
27.5°	216.9	236.9	203.9	132.9	85.0	82.0	89.0	99.0	106.0	111.0	112.0
30°	226.9	243.9	184.9	102.0	71.0	75.0	83.0	93.0	102.0	109.0	110.0
32.5°	235.9	246.9	166.9	78.0	65.0	68.0	75.0	84.0	92.0	99.0	99.0
35°	244.9	248.9	146.9	63.0	60.0	63.0	68.0	74.0	76.0	79.0	80.0
37.5°	256.9	247.9	119.9	57.0	58.0	60.0	64.0	62.0	62.0	62.0	61.0
40°	273.9	250.9	91.0	55.0	58.0	60.0	57.0	54.0	52.0	49.0	49.0
42.5°	291.9	252.9	72.0	54.0	60.0	61.0	53.0	49.0	45.0	44.0	45.0
45°	312.9	254.9	59.0	54.0	62.0	62.0	52.0	45.0	44.0	44.0	44.0
47.5°	330.9	253.9	54.0	54.0	64.0	61.0	52.0	45.0	44.0	45.0	46.0
50°	347.8	250.9	52.0	54.0	65.0	61.0	51.0	44.0	42.0	49.0	53.0
52.5°	369.8	245.9	51.0	53.0	66.0	62.0	53.0	43.0	41.0	49.0	53.0
55°	395.8	238.9	50.0	52.0	66.0	62.0	53.0	43.0	42.0	43.0	44.0
57.5°	423.8	228.9	47.0	50.0	66.0	58.0	54.0	45.0	41.0	43.0	43.0
60°	459.8	221.9	44.0	48.0	64.0	57.0	56.0	44.0	37.0	39.0	40.0
62.5°	503.8	229.9	43.0	47.0	60.0	56.0	56.0	45.0	37.0	40.0	40.0
65°	558.8	249.9	47.0	46.0	56.0	54.0	56.0	45.0	35.0	38.0	37.0
67.5°	598.7	259.9	49.0	46.0	51.0	50.0	56.0	44.0	35.0	38.0	37.0
70°	634.7	266.9	47.0	44.0	45.0	45.0	56.0	43.0	33.0	37.0	34.0
72.5°	599.7	222.9	42.0	40.0	40.0	40.0	54.0	40.0	31.0	32.0	29.0
75°	450.8	132.9	34.0	33.0	33.0	34.0	48.0	37.0	28.0	26.0	25.0
77.5°	226.9	60.0	26.0	27.0	25.0	28.0	40.0	35.0	25.0	22.0	21.0
80°	70.0	30.0	19.0	20.0	18.0	21.0	32.0	30.0	22.0	19.0	17.0
82.5°	30.0	17.0	13.0	14.0	13.0	14.0	23.0	25.0	18.0	21.0	12.0
85°	15.0	10.0	9.0	10.0	9.0	9.0	15.0	18.0	13.0	9.0	8.0
87.5°	6.0	6.0	6.0	7.0	6.0	5.0	6.0	9.0	8.0	6.0	5.0
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)