

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: P683166

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

Issue Date: 04/26/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P683166  
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-RW  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @500mA w/ RW distribution lens  
Light Source: (16) 1620 CCT, 0 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

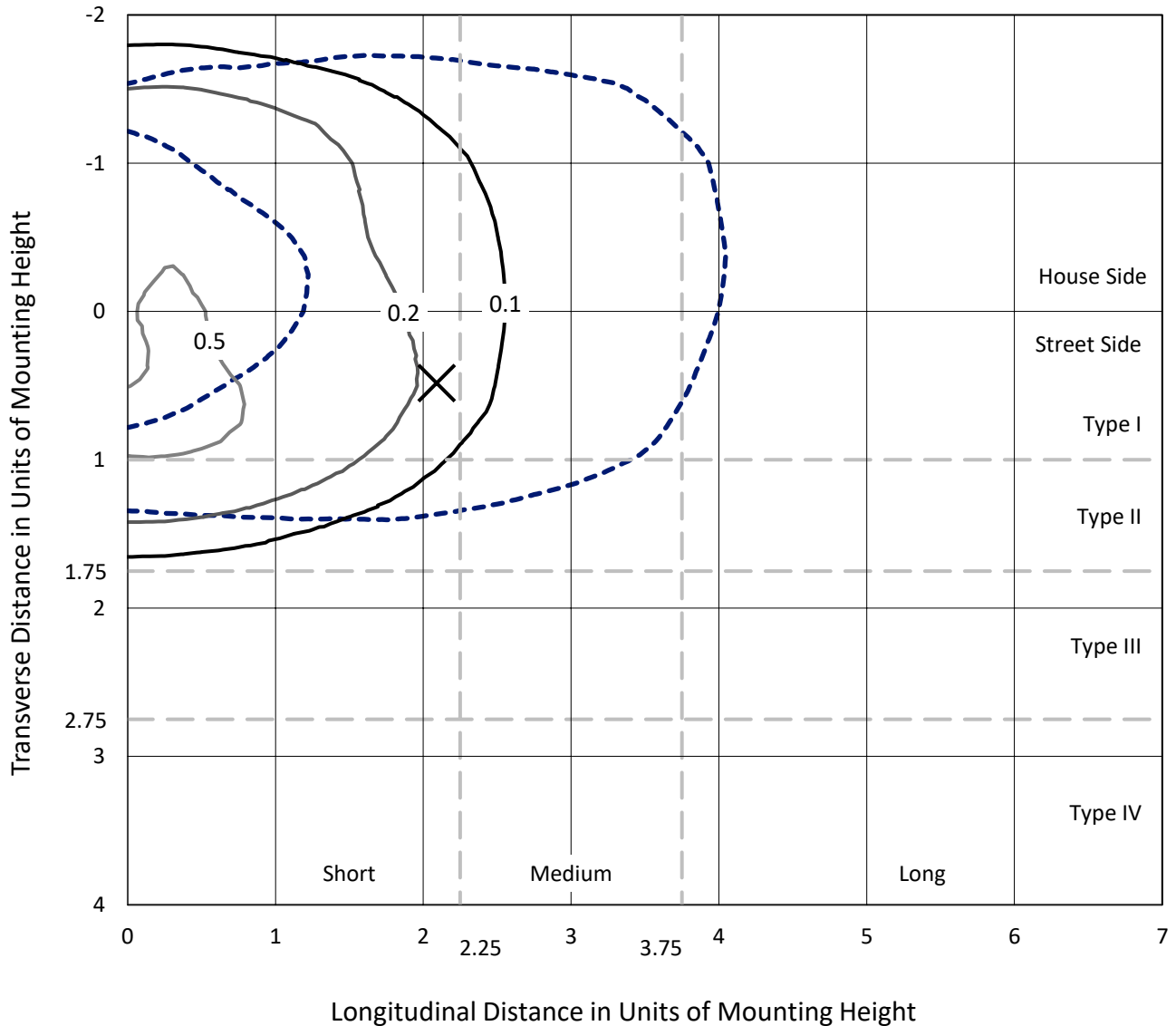
Lumens per Lamp: N/A  
Luminaire Lumens: 1138.4 lumens  
Efficiency: N/A  
Efficacy: 50.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1

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

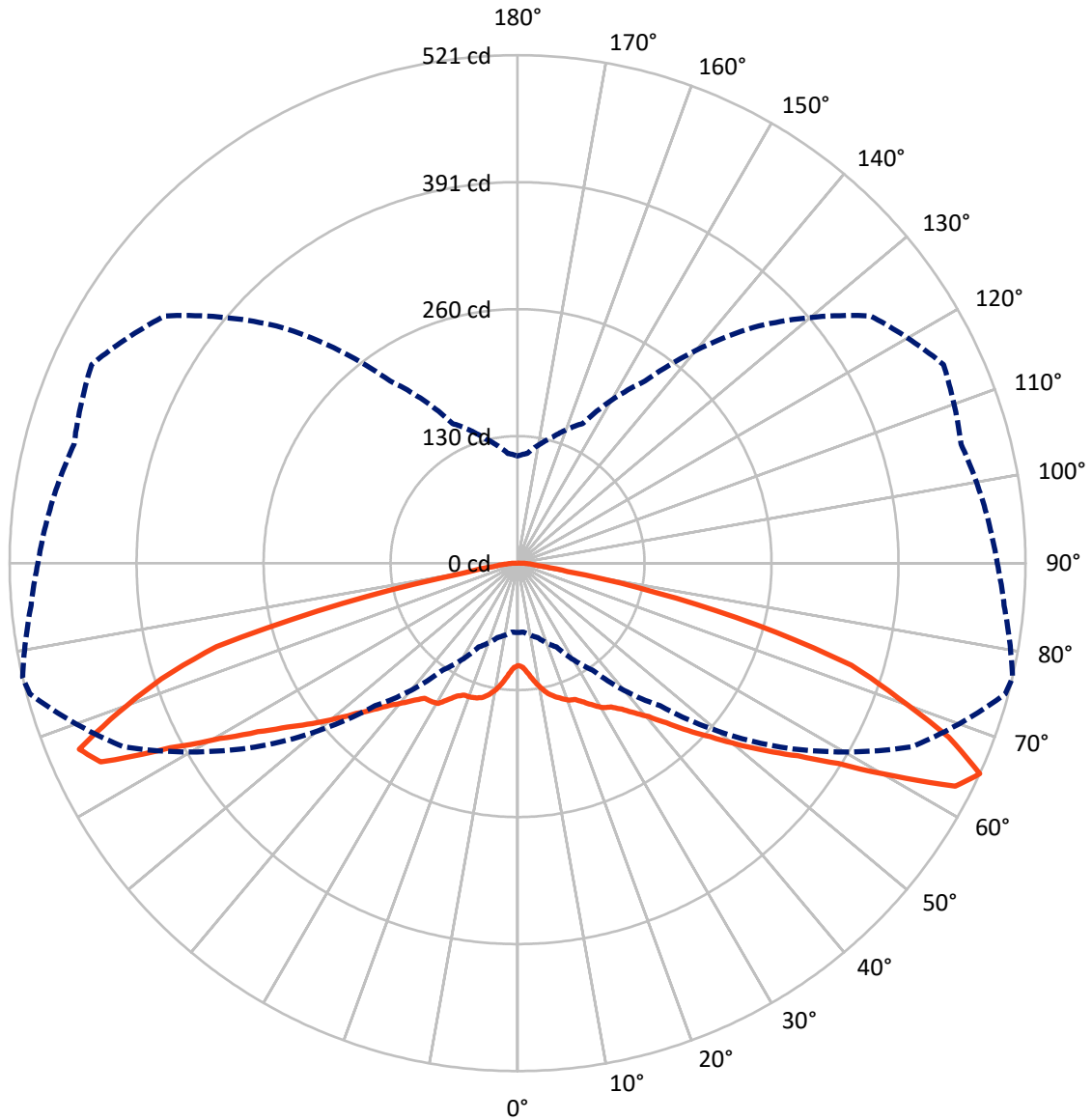
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 0.6 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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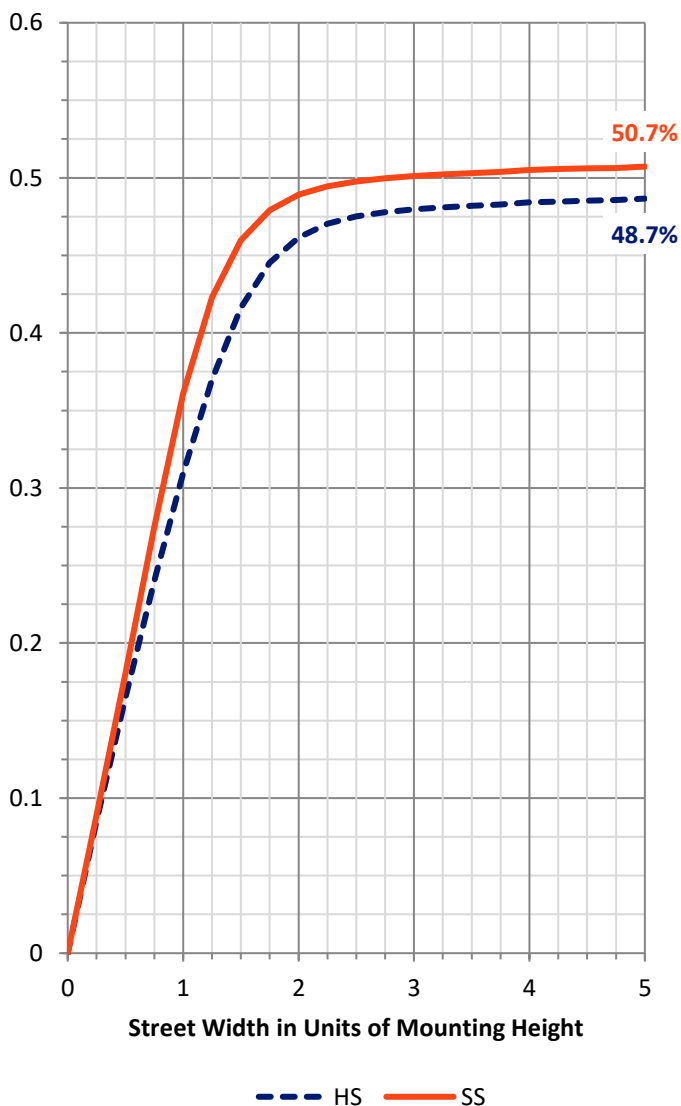
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	558.6	0.0	558.6
	% Fixture	49.1	0.0	49.1
<b>Street Side</b>	Lumens	579.8	0.0	579.8
	% Fixture	50.9	0.0	50.9
<b>Total</b>	Lumens	1138.4	0.0	1138.4
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	10.8	0.9
10°-20°	36.8	3.2
20°-30°	70.9	6.2
30°-40°	123.2	10.8
40°-50°	204.9	18.0
50°-60°	284.3	25.0
60°-70°	274.9	24.1
70°-80°	118.5	10.4
80°-90°	14.2	1.2
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°	1138.4	100.0
0°-180°	1138.4	100.0



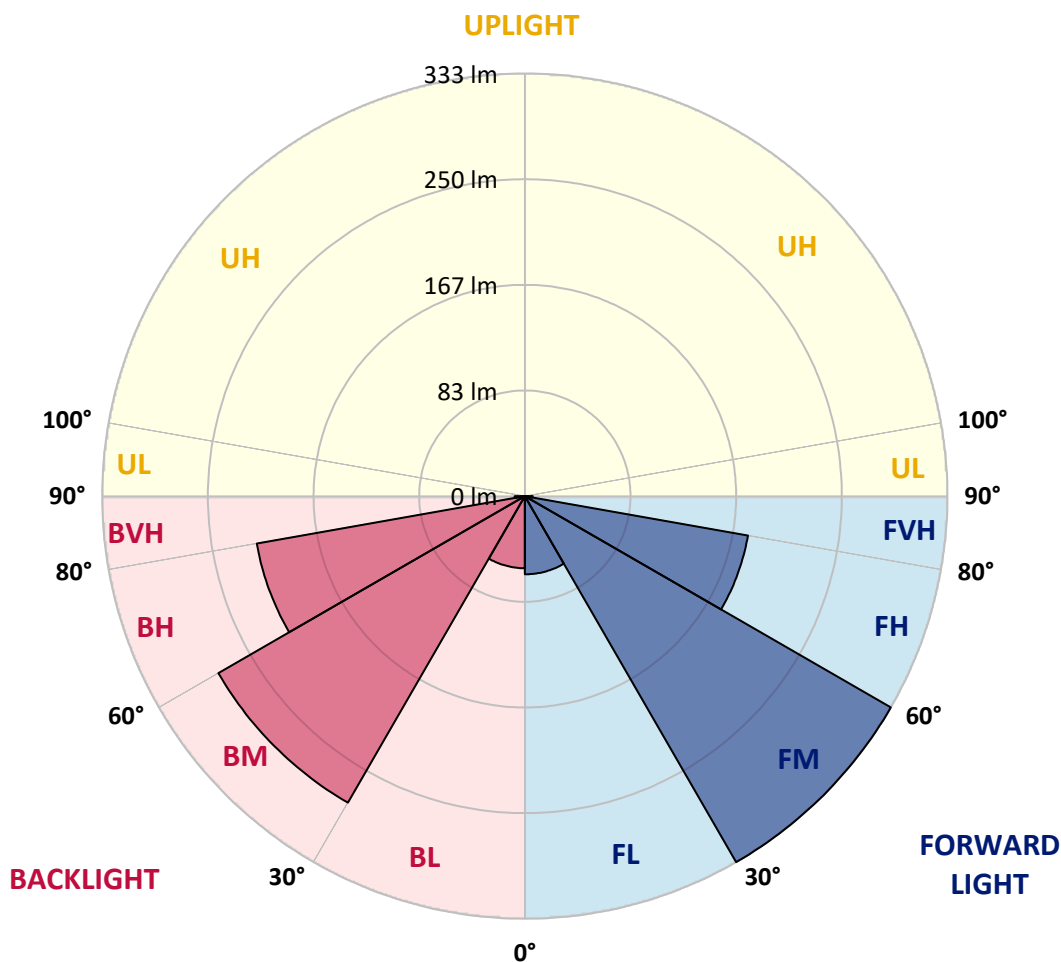
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	61.6	5.4			
FM (30°-60°)	333.3	29.3			
FH (60°-80°)	178.7	15.7			G0/660
FVH (80°-90°)	6.2	0.5			G0/10
BL (0°-30°)	56.9	5.0	B0/110		
BM (30°-60°)	279.1	24.5	B1/1000		
BH (60°-80°)	214.7	18.9	B1/500		G1/500
BVH (80°-90°)	8.0	0.7			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	105.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0
2.5°	105.0	105.9	105.9	105.9	105.9	106.9	106.9	106.9	106.9	106.9	107.9
5°	105.9	106.9	106.9	106.9	108.9	110.9	111.9	112.9	113.9	113.9	113.9
7.5°	106.9	107.9	107.9	109.9	111.9	114.9	117.9	119.9	121.9	121.9	122.9
10°	108.9	108.9	109.9	111.9	115.9	119.9	123.9	126.9	129.9	129.9	131.9
12.5°	110.9	111.9	112.9	115.9	120.9	125.9	129.9	132.9	135.9	136.9	137.9
15°	114.9	115.9	117.9	121.9	127.9	132.9	135.9	138.9	141.9	141.9	143.9
17.5°	120.9	121.9	123.9	128.9	134.9	140.9	143.9	143.9	145.9	145.9	147.9
20°	126.9	127.9	130.9	135.9	142.9	148.9	151.9	149.9	149.9	149.9	149.9
22.5°	135.9	136.9	140.9	145.9	151.9	156.9	158.9	155.9	152.9	151.9	151.9
25°	146.9	147.9	151.9	157.9	163.9	167.9	166.9	164.9	158.9	157.9	155.9
27.5°	161.9	162.9	166.9	169.9	174.9	178.9	176.9	171.9	165.9	164.9	163.9
30°	180.9	181.9	185.9	187.9	189.9	191.9	187.9	178.9	171.9	171.9	172.9
32.5°	203.9	204.9	208.9	209.9	208.9	205.9	198.9	188.9	176.9	175.9	173.9
35°	227.9	228.9	232.9	233.9	230.9	225.9	213.9	201.9	186.9	183.9	176.9
37.5°	253.9	257.9	261.9	260.9	258.9	251.9	235.9	216.9	197.9	194.9	185.9
40°	277.9	281.9	287.9	290.9	286.9	274.9	258.9	233.9	210.9	206.9	196.9
42.5°	298.9	301.9	309.9	314.9	314.9	303.9	284.9	256.9	227.9	223.9	210.9
45°	309.9	313.9	323.8	335.8	340.8	334.8	311.9	280.9	249.9	244.9	226.9
47.5°	313.9	316.8	329.8	346.8	360.8	361.8	340.8	305.9	272.9	265.9	247.9
50°	297.9	301.9	318.8	344.8	369.8	383.8	375.8	333.8	297.9	291.9	268.9
52.5°	274.9	275.9	293.9	324.8	363.8	397.8	405.8	369.8	326.8	319.8	291.9
55°	229.9	232.9	251.9	288.9	339.8	396.8	426.8	410.8	359.8	348.8	319.8
57.5°	186.9	185.9	205.9	239.9	296.9	370.8	437.8	450.8	401.8	387.8	350.8
60°	137.9	140.9	153.9	188.9	245.9	329.8	423.8	479.8	459.8	442.8	395.8
62.5°	102.0	101.0	112.9	138.9	184.9	273.9	387.8	483.8	512.8	503.8	457.8
65°	71.0	71.0	79.0	95.0	133.9	206.9	328.8	445.8	517.8	520.8	500.8
67.5°	50.0	49.0	52.0	63.0	89.0	149.9	256.9	373.8	471.8	476.8	480.8
70°	39.0	38.0	39.0	43.0	54.0	96.0	180.9	300.9	409.8	413.8	421.8
72.5°	34.0	34.0	33.0	32.0	35.0	56.0	113.9	220.9	342.8	357.8	377.8
75°	31.0	30.0	29.0	28.0	27.0	30.0	62.0	138.9	242.9	252.9	288.9
77.5°	26.0	26.0	25.0	24.0	23.0	22.0	28.0	66.0	131.9	144.9	153.9
80°	21.0	21.0	21.0	20.0	18.0	18.0	19.0	26.0	45.0	52.0	56.0
82.5°	15.0	14.0	17.0	16.0	14.0	13.0	14.0	17.0	21.0	22.0	19.0
85°	11.0	10.0	11.0	11.0	10.0	8.0	10.0	11.0	13.0	14.0	10.0
87.5°	5.0	5.0	6.0	5.0	5.0	3.0	5.0	5.0	7.0	7.0	4.0
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°	105.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0
2.5°	106.9	106.9	106.9	106.9	105.9	105.0	105.0	105.0	104.0	104.0	104.0
5°	114.9	113.9	113.9	111.9	110.9	109.9	107.9	106.9	105.0	104.0	105.0
7.5°	123.9	123.9	122.9	120.9	117.9	114.9	110.9	108.9	105.9	104.0	105.0
10°	131.9	131.9	130.9	127.9	123.9	118.9	113.9	109.9	106.9	105.0	105.0
12.5°	138.9	138.9	136.9	133.9	127.9	122.9	117.9	112.9	107.9	105.0	105.0
15°	143.9	143.9	141.9	136.9	132.9	127.9	122.9	116.9	110.9	106.9	106.9
17.5°	147.9	146.9	143.9	139.9	136.9	132.9	127.9	120.9	113.9	109.9	108.9
20°	149.9	148.9	144.9	141.9	140.9	137.9	133.9	125.9	116.9	111.9	111.9
22.5°	150.9	149.9	144.9	143.9	144.9	143.9	138.9	131.9	121.9	115.9	114.9
25°	154.9	152.9	148.9	148.9	149.9	151.9	146.9	138.9	126.9	119.9	119.9
27.5°	162.9	160.9	155.9	155.9	156.9	157.9	154.9	145.9	132.9	124.9	124.9
30°	171.9	170.9	163.9	161.9	163.9	166.9	162.9	152.9	138.9	131.9	130.9
32.5°	172.9	172.9	165.9	165.9	170.9	172.9	168.9	161.9	147.9	140.9	139.9
35°	173.9	172.9	166.9	172.9	178.9	181.9	179.9	172.9	160.9	153.9	152.9
37.5°	181.9	178.9	174.9	182.9	188.9	190.9	189.9	184.9	173.9	166.9	165.9
40°	192.9	189.9	184.9	192.9	199.9	202.9	202.9	199.9	189.9	182.9	181.9
42.5°	204.9	200.9	194.9	203.9	211.9	217.9	220.9	218.9	208.9	200.9	198.9
45°	219.9	215.9	208.9	217.9	226.9	238.9	241.9	240.9	227.9	218.9	215.9
47.5°	237.9	230.9	224.9	232.9	248.9	260.9	264.9	260.9	249.9	236.9	233.9
50°	257.9	252.9	243.9	253.9	268.9	283.9	284.9	277.9	267.9	257.9	254.9
52.5°	281.9	275.9	264.9	274.9	290.9	307.9	303.9	297.9	290.9	279.9	271.9
55°	308.9	301.9	285.9	300.9	313.9	327.8	326.8	318.8	300.9	281.9	273.9
57.5°	340.8	331.8	313.9	326.8	339.8	358.8	346.8	310.9	286.9	263.9	256.9
60°	382.8	371.8	349.8	359.8	380.8	389.8	336.8	283.9	249.9	217.9	212.9
62.5°	443.8	429.8	396.8	413.8	432.8	385.8	297.9	223.9	182.9	160.9	155.9
65°	491.8	484.8	470.8	481.8	441.8	341.8	227.9	157.9	132.9	112.9	109.9
67.5°	490.8	489.8	487.8	473.8	379.8	263.9	161.9	105.0	84.0	71.0	69.0
70°	429.8	431.8	437.8	400.8	293.9	182.9	101.0	60.0	52.0	45.0	44.0
72.5°	388.8	383.8	383.8	337.8	206.9	106.9	51.0	37.0	36.0	35.0	36.0
75°	308.9	318.8	320.8	245.9	111.9	47.0	31.0	30.0	31.0	31.0	32.0
77.5°	174.9	188.9	182.9	115.9	43.0	26.0	24.0	26.0	27.0	28.0	28.0
80°	56.0	62.0	57.0	39.0	24.0	19.0	20.0	22.0	24.0	25.0	26.0
82.5°	16.0	21.0	26.0	22.0	17.0	15.0	17.0	20.0	23.0	23.0	23.0
85°	9.0	10.0	16.0	14.0	12.0	9.0	14.0	18.0	21.0	17.0	16.0
87.5°	4.0	4.0	8.0	7.0	5.0	5.0	12.0	11.0	12.0	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)