

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: P682878

Luminaire Tested: **CCP-SA-1-AMB-U-T2R**

Issue Date: 04/26/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P682878  
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-T2R  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @500mA w/ T2R distribution lens  
Light Source: (16) 1620 CCT, 0 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

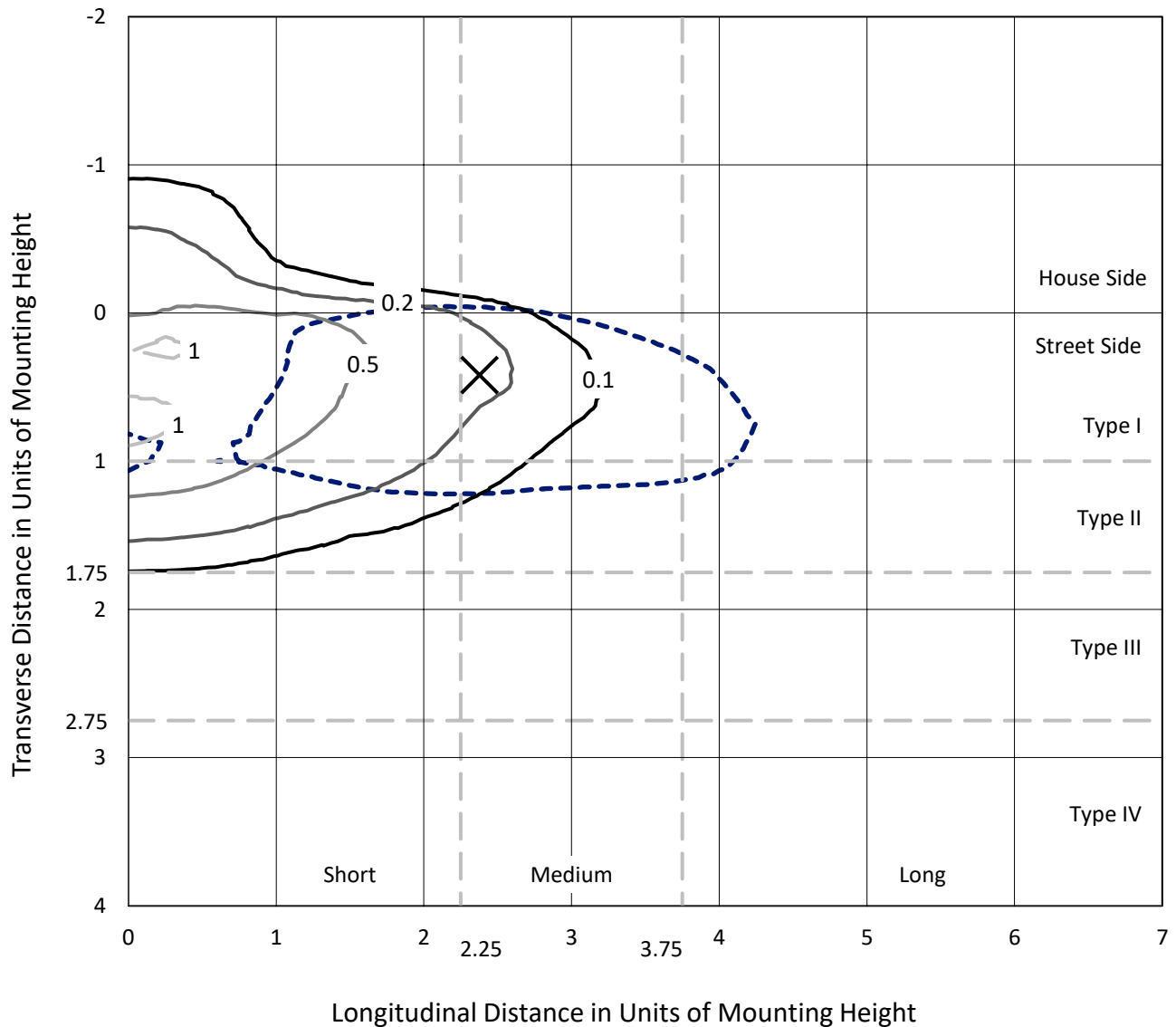
Lumens per Lamp: N/A  
Luminaire Lumens: 1162 lumens  
Efficiency: N/A  
Efficacy: 51.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B0 - U0 - G1

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

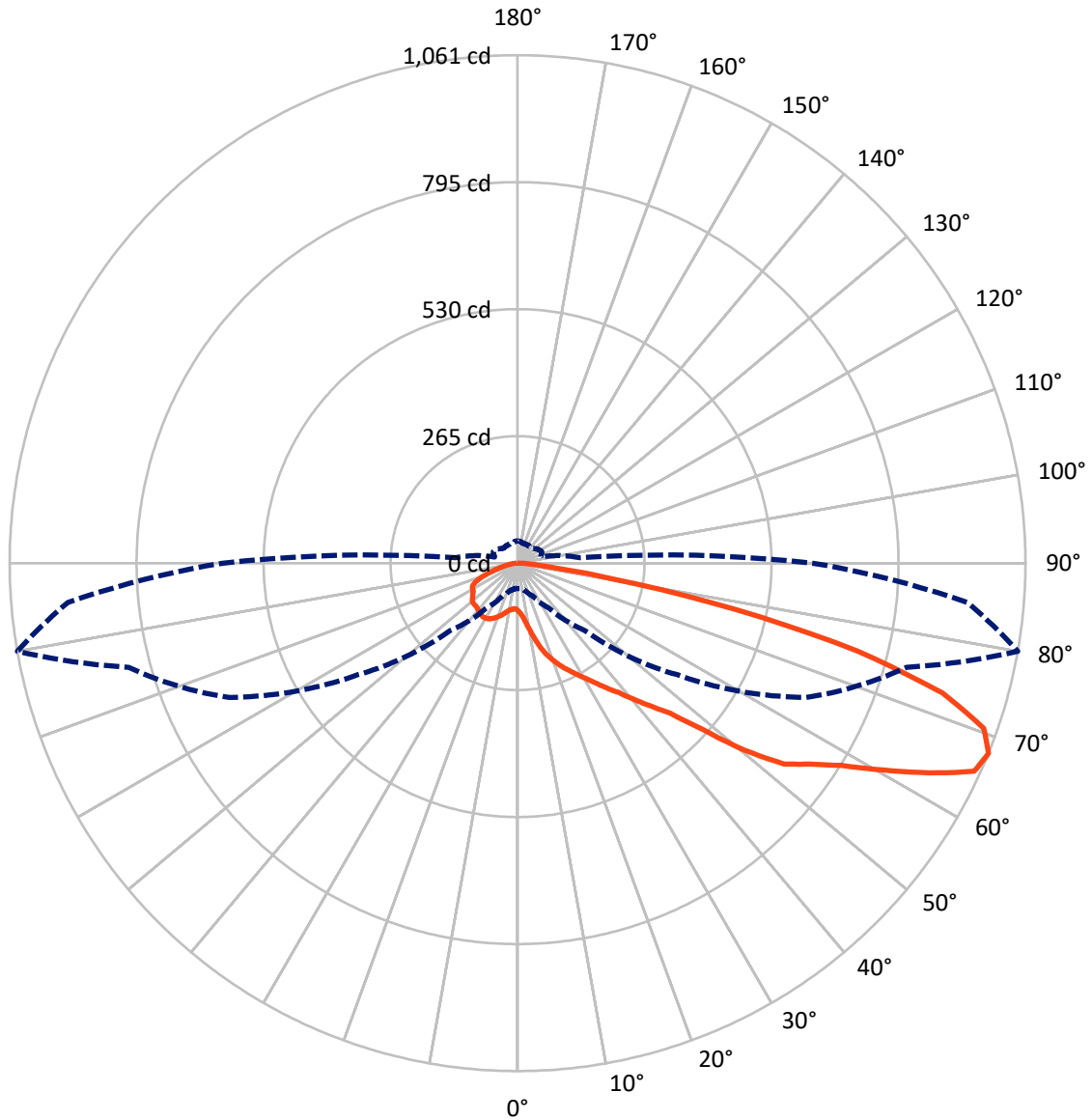
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.1 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 80-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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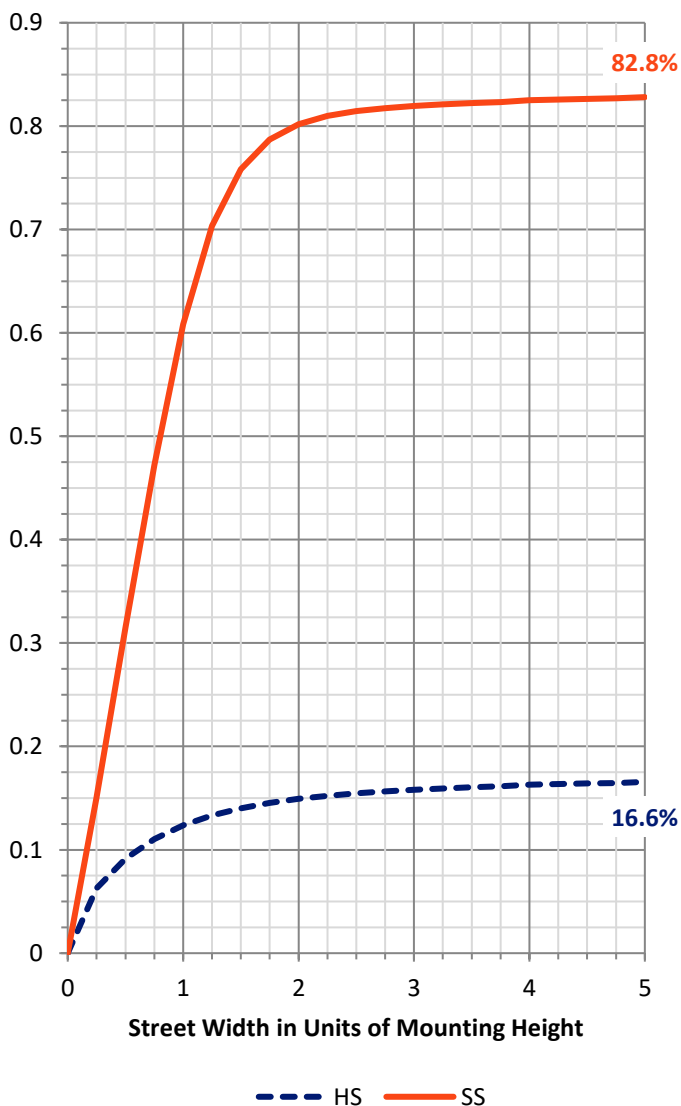
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	196.5	0.0	196.5
	% Fixture	16.9	0.0	16.9
<b>Street Side</b>	Lumens	965.5	0.0	965.5
	% Fixture	83.1	0.0	83.1
<b>Total</b>	Lumens	1162.0	0.0	1162.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	12.2	1.1
10°-20°	46.5	4.0
20°-30°	86.1	7.4
30°-40°	145.5	12.5
40°-50°	218.1	18.8
50°-60°	266.1	22.9
60°-70°	239.8	20.6
70°-80°	127.1	10.9
80°-90°	20.7	1.8
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°	1162.0	100.0
0°-180°	1162.0	100.0

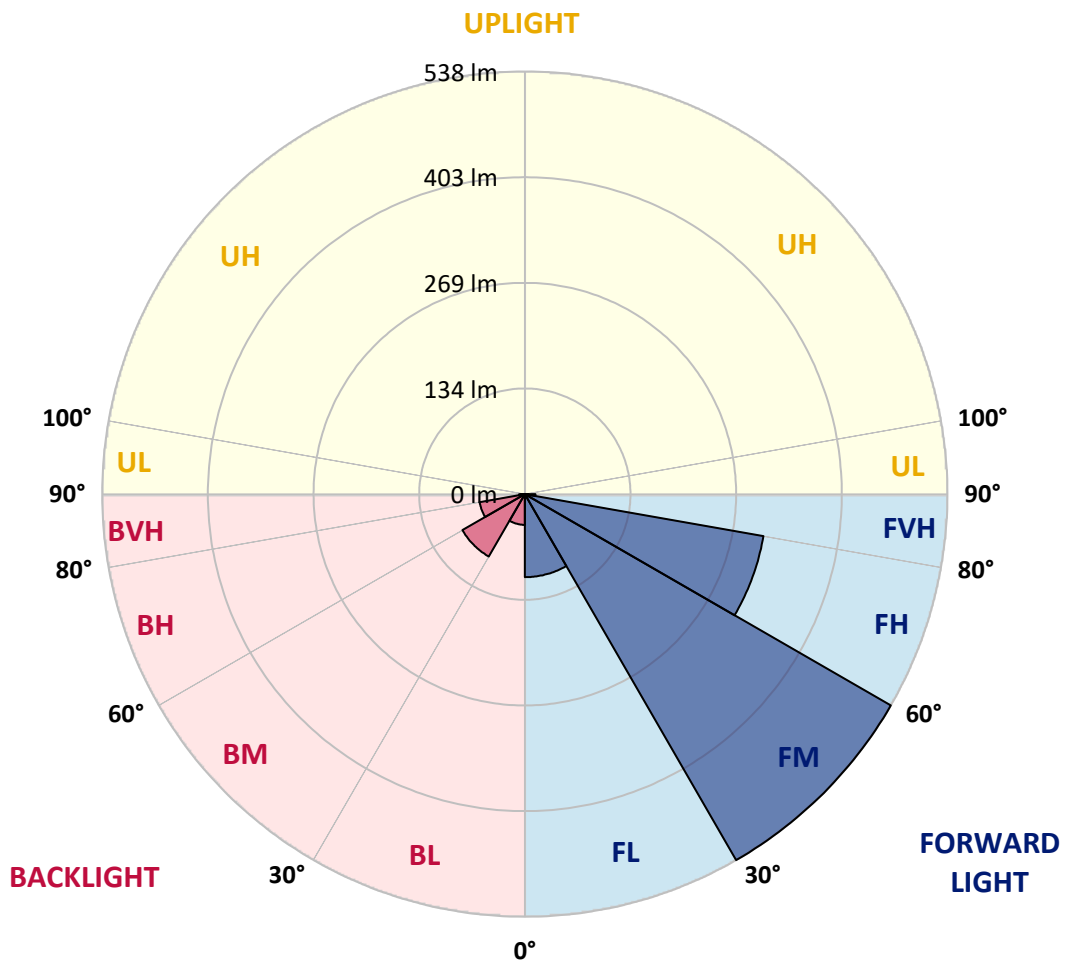


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	105.7	9.1			
FM (30°-60°)	538.0	46.3			
FH (60°-80°)	308.5	26.5			G0/660
FVH (80°-90°)	13.4	1.2			G1/100
BL (0°-30°)	39.1	3.4	B0/110		
BM (30°-60°)	91.7	7.9	B0/220		
BH (60°-80°)	58.4	5.0	B0/110		G0/110
BVH (80°-90°)	7.2	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 II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	80°	85°
0°	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
2.5°	143.9	135.9	133.9	127.9	125.9	119.9	113.9	110.0	106.0	104.0	102.0
5°	185.9	181.9	180.9	179.9	174.9	166.9	155.9	133.9	115.9	112.0	109.0
7.5°	210.9	207.9	205.9	204.9	200.9	195.9	186.9	167.9	138.9	124.9	116.9
10°	230.9	228.9	228.9	227.9	224.9	218.9	208.9	193.9	163.9	142.9	126.9
12.5°	244.9	242.9	244.9	250.9	249.9	246.9	232.9	214.9	186.9	162.9	139.9
15°	242.9	242.9	247.9	257.9	264.9	267.9	257.9	237.9	205.9	184.9	155.9
17.5°	232.9	231.9	238.9	252.9	266.9	280.9	278.9	258.9	223.9	202.9	171.9
20°	231.9	230.9	235.9	248.9	264.9	283.9	293.9	278.9	239.9	217.9	186.9
22.5°	242.9	241.9	244.9	254.9	265.9	284.9	301.9	295.9	255.9	233.9	202.9
25°	260.9	258.9	258.9	264.9	273.9	290.9	309.9	309.9	272.9	247.9	217.9
27.5°	296.9	295.9	288.9	281.9	283.9	301.9	318.9	321.9	288.9	262.9	232.9
30°	349.8	345.8	332.9	316.9	299.9	311.9	330.9	332.9	303.9	278.9	248.9
32.5°	419.8	411.8	390.8	358.8	324.9	323.9	344.8	345.8	321.9	297.9	266.9
35°	476.8	466.8	445.8	415.8	363.8	342.8	359.8	360.8	339.9	319.9	286.9
37.5°	511.8	504.8	483.8	460.8	413.8	371.8	376.8	377.8	357.8	342.8	307.9
40°	540.8	530.8	513.8	496.8	458.8	410.8	398.8	401.8	379.8	373.8	333.9
42.5°	545.8	534.8	523.8	517.8	493.8	452.8	427.8	426.8	406.8	407.8	361.8
45°	537.8	526.8	521.8	525.8	512.8	489.8	471.8	458.8	435.8	446.8	401.8
47.5°	524.8	513.8	514.8	525.8	522.8	513.8	518.8	505.8	485.8	516.8	468.8
50°	483.8	472.8	483.8	515.8	527.8	532.8	561.8	558.8	572.7	613.7	554.8
52.5°	416.8	408.8	430.8	471.8	514.8	547.8	590.7	631.7	655.7	696.7	610.7
55°	329.9	325.9	355.8	404.8	471.8	544.8	614.7	664.7	683.7	740.7	652.7
57.5°	261.9	255.9	281.9	333.9	403.8	511.8	628.7	704.7	709.7	796.6	706.7
60°	184.9	183.9	205.9	256.9	326.9	453.8	612.7	746.7	757.7	876.6	781.7
62.5°	129.9	129.9	145.9	180.9	251.9	370.8	577.7	764.7	805.6	964.6	862.6
65°	83.0	82.0	96.0	124.9	171.9	284.9	508.8	734.7	846.6	1047.5	930.6
67.5°	53.0	53.0	59.0	76.0	114.9	198.9	405.8	663.7	840.6	1060.5	942.6
70°	42.0	42.0	44.0	50.0	70.0	133.9	286.9	559.8	799.6	1032.5	904.6
72.5°	37.0	37.0	38.0	39.0	47.0	83.0	185.9	429.8	730.7	927.6	793.7
75°	33.0	33.0	34.0	34.0	38.0	55.0	107.0	302.9	620.7	732.7	590.7
77.5°	30.0	30.0	30.0	29.0	33.0	41.0	54.0	192.9	458.8	463.8	349.8
80°	25.0	25.0	26.0	25.0	30.0	31.0	30.0	103.0	247.9	201.9	142.9
82.5°	19.0	20.0	21.0	21.0	26.0	21.0	20.0	49.0	92.0	67.0	49.0
85°	11.0	12.0	16.0	17.0	21.0	12.0	15.0	28.0	34.0	27.0	17.0
87.5°	3.0	3.0	9.0	11.0	12.0	5.0	8.0	15.0	17.0	13.0	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°	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
2.5°	100.0	98.0	93.0	90.0	88.0	86.0	85.0	83.0	82.0	82.0	83.0
5°	104.0	99.0	92.0	88.0	84.0	82.0	81.0	81.0	81.0	80.0	81.0
7.5°	109.0	102.0	93.0	86.0	84.0	83.0	82.0	83.0	82.0	82.0	82.0
10°	115.9	106.0	93.0	87.0	85.0	84.0	84.0	84.0	84.0	84.0	84.0
12.5°	123.9	111.0	95.0	90.0	87.0	86.0	86.0	86.0	85.0	84.0	85.0
15°	134.9	117.9	98.0	93.0	90.0	89.0	87.0	86.0	85.0	84.0	84.0
17.5°	144.9	124.9	102.0	95.0	92.0	90.0	87.0	86.0	84.0	84.0	84.0
20°	154.9	130.9	105.0	97.0	93.0	89.0	87.0	85.0	82.0	82.0	82.0
22.5°	165.9	137.9	108.0	99.0	93.0	89.0	85.0	82.0	80.0	79.0	78.0
25°	176.9	143.9	110.0	99.0	92.0	86.0	82.0	79.0	77.0	76.0	76.0
27.5°	188.9	149.9	111.0	98.0	89.0	83.0	79.0	76.0	73.0	72.0	72.0
30°	200.9	154.9	110.0	95.0	85.0	79.0	75.0	73.0	70.0	69.0	69.0
32.5°	214.9	158.9	108.0	91.0	81.0	75.0	71.0	70.0	68.0	67.0	66.0
35°	227.9	160.9	104.0	86.0	77.0	71.0	70.0	69.0	66.0	64.0	64.0
37.5°	240.9	162.9	98.0	80.0	72.0	69.0	69.0	67.0	64.0	61.0	60.0
40°	258.9	164.9	92.0	74.0	68.0	68.0	68.0	65.0	59.0	57.0	57.0
42.5°	277.9	166.9	85.0	69.0	64.0	67.0	66.0	60.0	57.0	55.0	54.0
45°	307.9	171.9	78.0	63.0	62.0	64.0	63.0	58.0	56.0	54.0	53.0
47.5°	362.8	177.9	72.0	60.0	60.0	61.0	59.0	57.0	55.0	53.0	52.0
50°	418.8	180.9	67.0	57.0	58.0	59.0	56.0	56.0	54.0	52.0	51.0
52.5°	447.8	176.9	62.0	56.0	57.0	56.0	54.0	54.0	53.0	50.0	50.0
55°	475.8	170.9	59.0	56.0	57.0	52.0	52.0	53.0	52.0	49.0	49.0
57.5°	516.8	163.9	57.0	56.0	57.0	50.0	51.0	51.0	50.0	49.0	48.0
60°	564.8	159.9	57.0	56.0	56.0	48.0	49.0	49.0	49.0	48.0	48.0
62.5°	613.7	157.9	56.0	57.0	55.0	47.0	47.0	48.0	47.0	48.0	47.0
65°	642.7	149.9	54.0	57.0	53.0	45.0	45.0	45.0	45.0	47.0	47.0
67.5°	615.7	129.9	50.0	56.0	51.0	43.0	43.0	43.0	43.0	46.0	46.0
70°	549.8	104.0	44.0	51.0	48.0	42.0	41.0	41.0	40.0	45.0	44.0
72.5°	429.8	75.0	36.0	44.0	45.0	40.0	38.0	38.0	37.0	41.0	39.0
75°	259.9	53.0	30.0	35.0	38.0	38.0	36.0	35.0	33.0	34.0	33.0
77.5°	123.9	36.0	24.0	27.0	30.0	35.0	35.0	31.0	28.0	28.0	27.0
80°	52.0	23.0	18.0	20.0	21.0	31.0	33.0	27.0	23.0	23.0	22.0
82.5°	26.0	15.0	13.0	15.0	14.0	25.0	30.0	22.0	19.0	28.0	23.0
85°	11.0	9.0	8.0	9.0	9.0	17.0	25.0	15.0	19.0	17.0	14.0
87.5°	4.0	4.0	5.0	4.0	4.0	4.0	14.0	7.0	9.0	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)