

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: P683454

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

Issue Date: 04/26/2023



Test Information

Test Method: LM-79-08
Report Number: P683454
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-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @500mA w/ T2R distribution lens and House Side Shield
Light Source: (16) 1620 CCT, 0 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

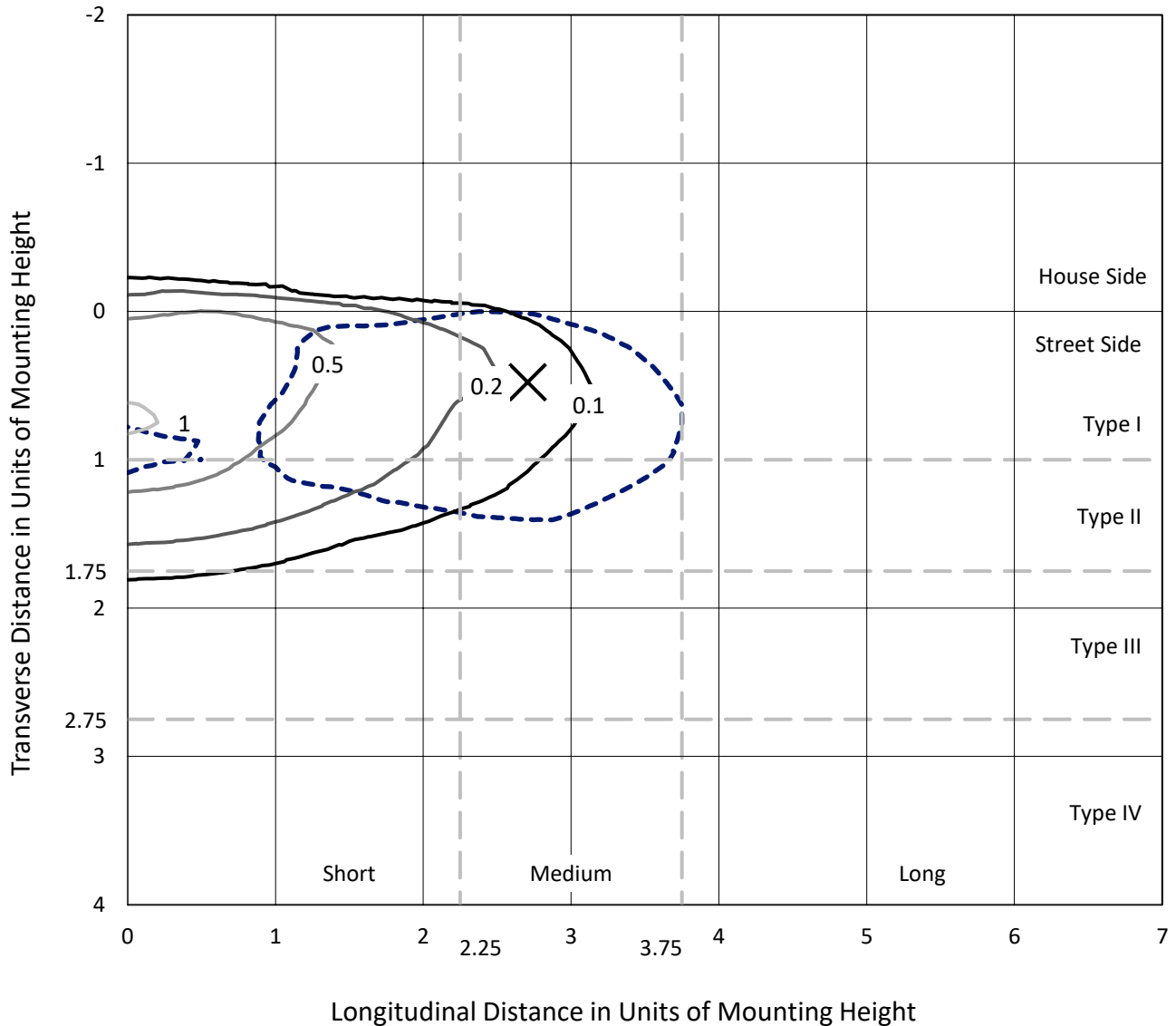
Lumens per Lamp: N/A
Luminaire Lumens: 909.7 lumens
Efficiency: N/A
Efficacy: 40.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G0

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

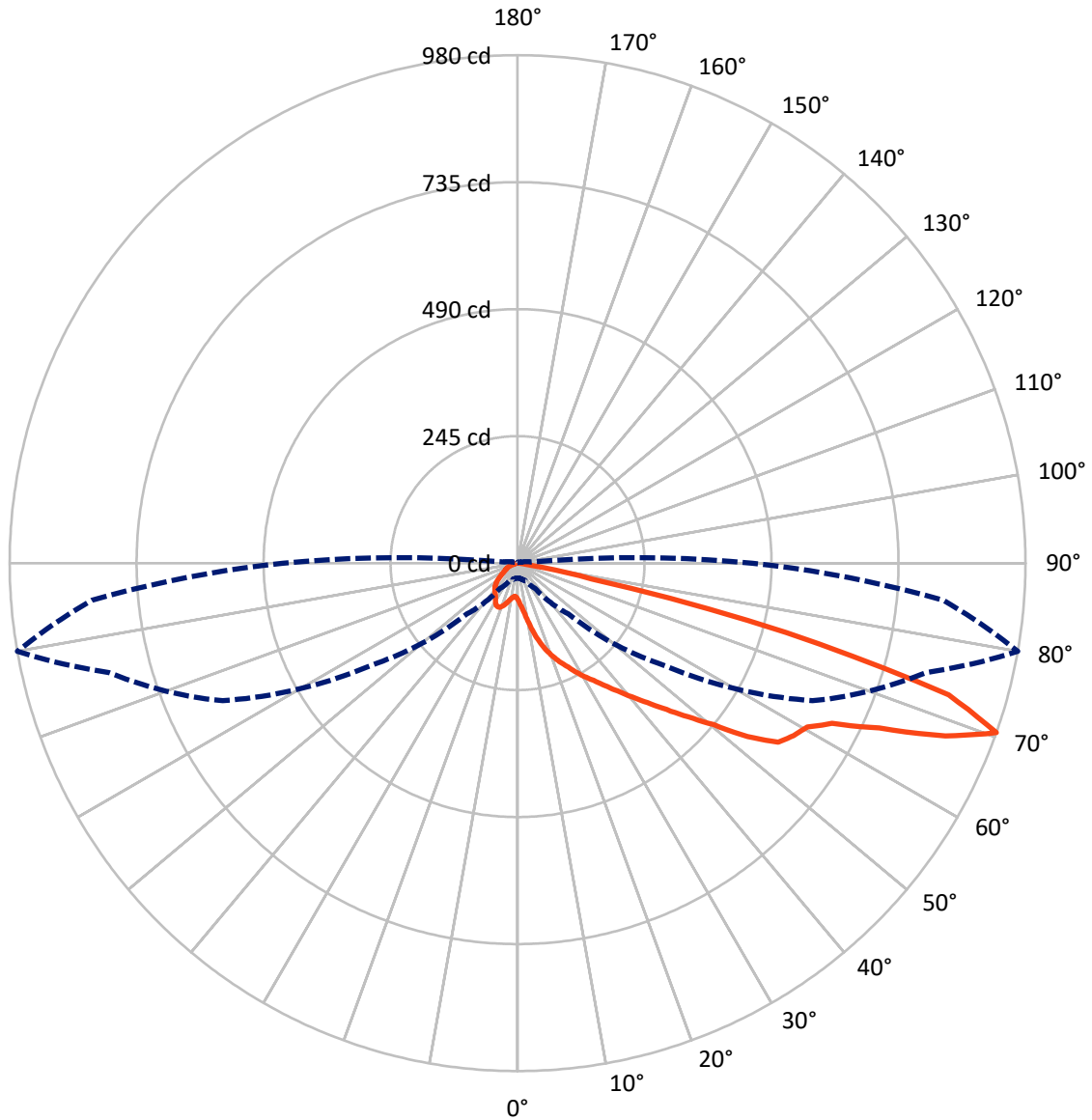
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 80-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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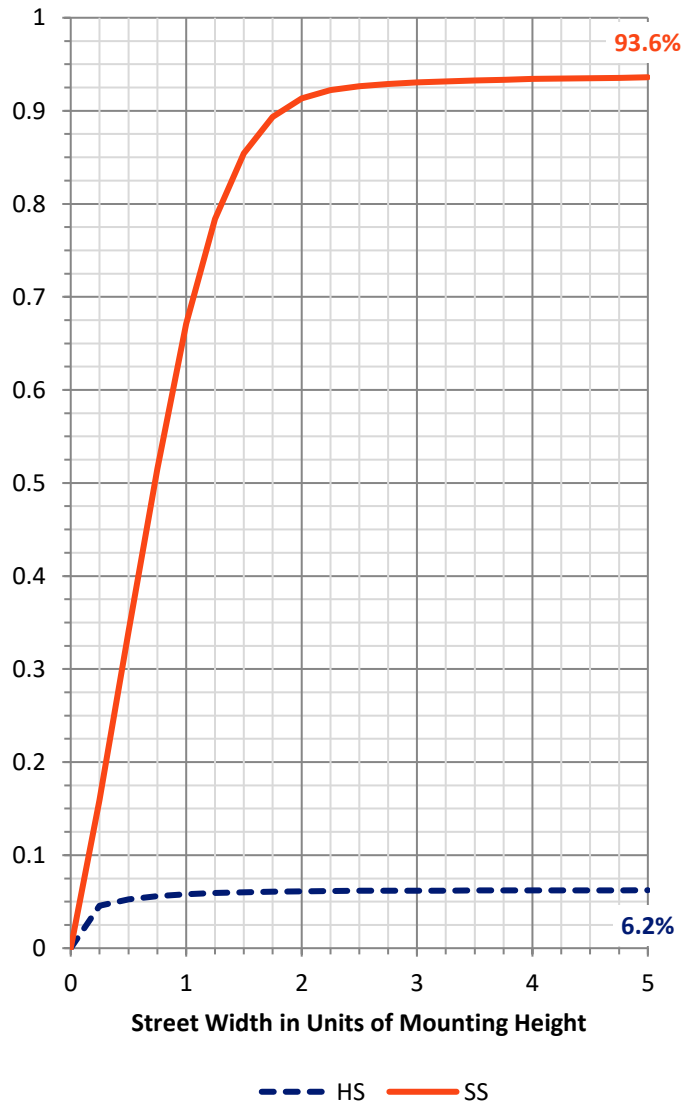
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	57.0	0.0	57.0
	% Fixture	6.3	0.0	6.3
Street Side	Lumens	852.7	0.0	852.7
	% Fixture	93.7	0.0	93.7
Total	Lumens	909.7	0.0	909.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.3	1.0
10°-20°	36.0	4.0
20°-30°	66.6	7.3
30°-40°	117.6	12.9
40°-50°	178.9	19.7
50°-60°	215.5	23.7
60°-70°	193.7	21.3
70°-80°	87.9	9.7
80°-90°	4.2	0.5
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°	909.7	100.0
0°-180°	909.7	100.0

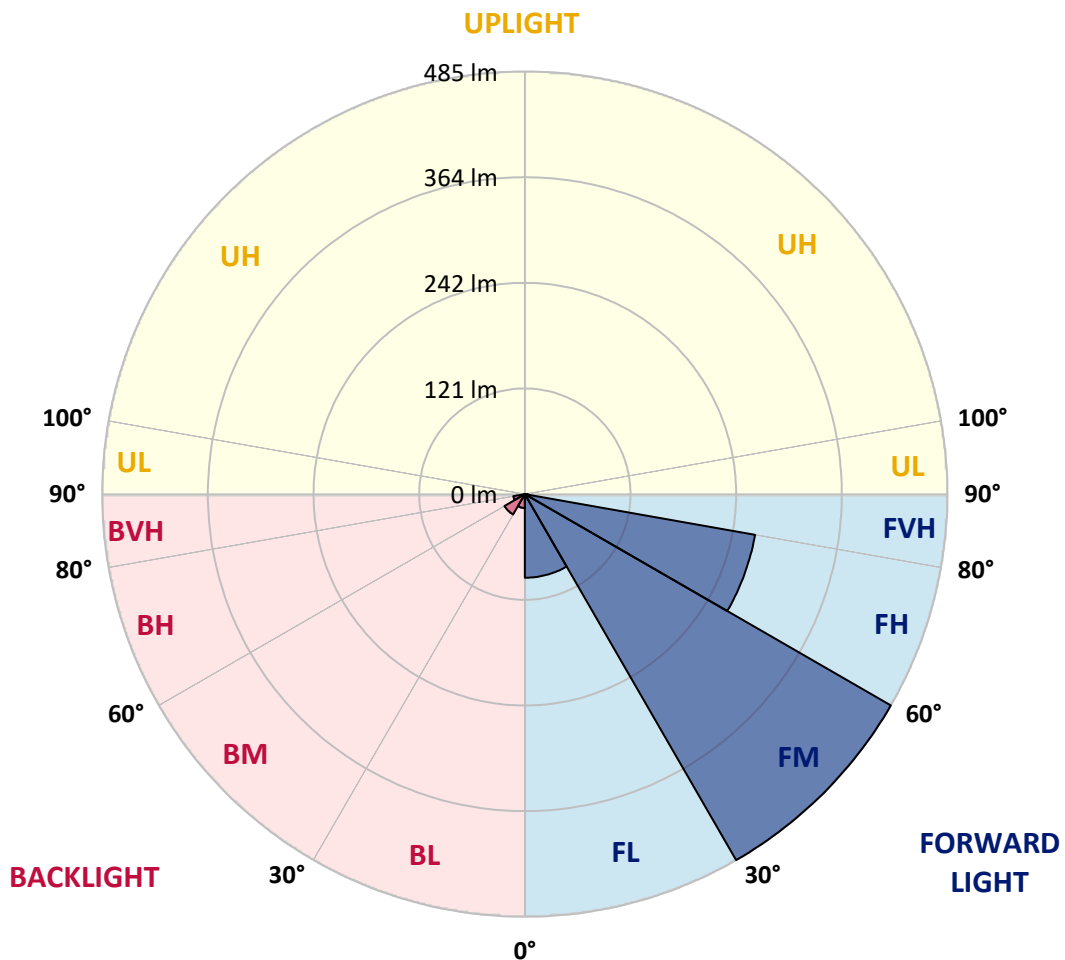


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	96.0	10.5			
FM (30°-60°)	484.9	53.3			
FH (60°-80°)	268.2	29.5			G0/660
FVH (80°-90°)	3.5	0.4			G0/10
BL (0°-30°)	15.9	1.8	B0/110		
BM (30°-60°)	27.0	3.0	B0/220		
BH (60°-80°)	13.4	1.5	B0/110		G0/110
BVH (80°-90°)	0.7	0.1			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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	80°	85°
0°	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
2.5°	113.0	112.0	106.0	104.0	99.0	94.0	88.0	83.0	78.0	77.0	74.0
5°	158.9	157.9	153.9	152.9	146.9	138.9	123.9	107.0	91.0	86.0	81.0
7.5°	185.9	182.9	181.9	178.9	175.9	169.9	158.9	141.9	111.0	99.0	89.0
10°	206.9	205.9	205.9	204.9	201.9	194.9	183.9	167.9	134.9	115.9	100.0
12.5°	223.9	221.9	223.9	227.9	226.9	220.9	206.9	189.9	159.9	136.9	113.0
15°	225.9	225.9	230.9	241.9	247.9	246.9	231.9	211.9	179.9	156.9	127.9
17.5°	216.9	218.9	224.9	238.9	253.9	262.9	256.9	231.9	196.9	174.9	142.9
20°	212.9	212.9	218.9	232.9	250.9	267.9	273.9	253.9	212.9	190.9	158.9
22.5°	217.9	218.9	223.9	236.9	250.9	269.9	283.9	272.9	227.9	205.9	173.9
25°	231.9	233.9	234.9	245.9	256.9	274.9	290.9	287.9	245.9	219.9	189.9
27.5°	259.9	258.9	257.9	258.9	263.9	283.9	297.9	298.9	262.9	236.9	205.9
30°	308.9	309.9	294.9	279.9	273.9	292.9	308.9	308.9	279.9	253.9	220.9
32.5°	391.8	382.8	362.8	325.9	290.9	300.9	322.9	319.9	295.9	269.9	235.9
35°	444.8	439.8	420.8	390.8	329.9	312.9	336.9	332.9	311.9	289.9	255.9
37.5°	478.8	474.8	454.8	434.8	386.8	333.9	351.8	348.8	329.9	312.9	273.9
40°	500.8	494.8	477.8	460.8	429.8	375.8	368.8	369.8	351.8	338.9	293.9
42.5°	507.8	500.8	487.8	476.8	453.8	418.8	393.8	391.8	377.8	367.8	318.9
45°	498.8	490.8	484.8	484.8	468.8	445.8	427.8	416.8	404.8	402.8	346.8
47.5°	478.8	471.8	471.8	481.8	475.8	462.8	462.8	442.8	435.8	442.8	379.8
50°	450.8	443.8	448.8	469.8	474.8	472.8	494.8	475.8	475.8	489.8	424.8
52.5°	403.8	399.8	416.8	445.8	466.8	480.8	518.8	523.8	528.8	555.8	480.8
55°	342.8	338.9	360.8	404.8	446.8	485.8	532.8	558.8	581.7	609.7	515.8
57.5°	287.9	283.9	302.9	350.8	410.8	487.8	547.8	579.7	593.7	627.7	525.8
60°	226.9	223.9	247.9	289.9	356.8	461.8	547.8	594.7	593.7	641.7	544.8
62.5°	152.9	150.9	174.9	220.9	292.9	392.8	535.8	607.7	606.7	680.7	597.7
65°	81.0	80.0	100.0	140.9	208.9	313.9	507.8	639.7	662.7	766.7	679.7
67.5°	40.0	40.0	49.0	71.0	123.9	230.9	440.8	659.7	744.7	889.6	793.6
70°	29.0	29.0	32.0	38.0	60.0	138.9	341.8	627.7	815.6	979.6	824.6
72.5°	24.0	25.0	26.0	27.0	34.0	73.0	218.9	520.8	766.7	869.6	669.7
75°	17.0	17.0	21.0	22.0	25.0	43.0	100.0	297.9	518.8	534.8	366.8
77.5°	14.0	14.0	15.0	17.0	19.0	32.0	32.0	95.0	179.9	145.9	87.0
80°	10.0	10.0	12.0	12.0	16.0	21.0	13.0	26.0	36.0	27.0	18.0
82.5°	6.0	7.0	8.0	10.0	13.0	10.0	7.0	10.0	12.0	11.0	8.0
85°	3.0	3.0	6.0	9.0	7.0	4.0	4.0	5.0	5.0	5.0	4.0
87.5°	0.0	0.0	4.0	4.0	4.0	2.0	2.0	2.0	2.0	2.0	1.0
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°	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
2.5°	72.0	69.0	63.0	59.0	56.0	54.0	52.0	52.0	51.0	50.0	51.0
5°	76.0	69.0	59.0	55.0	52.0	50.0	48.0	47.0	46.0	46.0	46.0
7.5°	82.0	72.0	60.0	54.0	50.0	48.0	46.0	44.0	42.0	42.0	42.0
10°	89.0	76.0	61.0	55.0	50.0	45.0	40.0	35.0	31.0	29.0	30.0
12.5°	98.0	81.0	64.0	57.0	49.0	37.0	28.0	24.0	22.0	22.0	22.0
15°	108.0	88.0	68.0	58.0	41.0	26.0	22.0	20.0	20.0	19.0	19.0
17.5°	117.9	95.0	72.0	54.0	29.0	21.0	19.0	18.0	18.0	17.0	17.0
20°	128.9	102.0	74.0	43.0	22.0	19.0	17.0	16.0	15.0	15.0	15.0
22.5°	139.9	110.0	74.0	30.0	19.0	17.0	15.0	15.0	14.0	14.0	14.0
25°	151.9	116.9	68.0	22.0	17.0	15.0	14.0	13.0	12.0	12.0	12.0
27.5°	163.9	123.9	58.0	18.0	16.0	14.0	13.0	12.0	12.0	11.0	11.0
30°	175.9	127.9	45.0	16.0	14.0	13.0	11.0	11.0	11.0	10.0	10.0
32.5°	185.9	128.9	31.0	15.0	13.0	12.0	11.0	10.0	10.0	10.0	10.0
35°	195.9	128.9	22.0	14.0	12.0	11.0	10.0	10.0	9.0	9.0	9.0
37.5°	206.9	126.9	17.0	13.0	11.0	10.0	9.0	9.0	9.0	9.0	8.0
40°	218.9	122.9	15.0	12.0	10.0	9.0	8.0	8.0	8.0	8.0	8.0
42.5°	232.9	115.9	15.0	12.0	10.0	9.0	8.0	8.0	8.0	7.0	7.0
45°	251.9	108.0	14.0	11.0	9.0	8.0	7.0	7.0	7.0	7.0	7.0
47.5°	273.9	99.0	13.0	10.0	8.0	7.0	7.0	6.0	6.0	6.0	6.0
50°	305.9	89.0	12.0	9.0	8.0	7.0	6.0	6.0	6.0	5.0	5.0
52.5°	337.9	76.0	11.0	8.0	7.0	6.0	6.0	6.0	5.0	5.0	5.0
55°	355.8	64.0	10.0	7.0	7.0	6.0	5.0	5.0	5.0	5.0	5.0
57.5°	357.8	53.0	10.0	7.0	6.0	6.0	5.0	5.0	5.0	4.0	5.0
60°	367.8	47.0	9.0	7.0	6.0	5.0	5.0	4.0	4.0	4.0	4.0
62.5°	393.8	42.0	8.0	6.0	5.0	5.0	4.0	4.0	3.0	3.0	3.0
65°	434.8	38.0	7.0	6.0	5.0	4.0	4.0	3.0	2.0	2.0	2.0
67.5°	484.8	35.0	6.0	5.0	4.0	4.0	3.0	2.0	1.0	1.0	1.0
70°	452.8	26.0	6.0	5.0	4.0	3.0	2.0	2.0	1.0	1.0	1.0
72.5°	300.9	17.0	5.0	4.0	4.0	3.0	2.0	1.0	1.0	1.0	1.0
75°	121.9	11.0	5.0	4.0	3.0	2.0	2.0	1.0	1.0	1.0	0.0
77.5°	29.0	7.0	4.0	3.0	3.0	2.0	1.0	1.0	1.0	0.0	0.0
80°	9.0	5.0	4.0	3.0	2.0	2.0	1.0	1.0	1.0	0.0	0.0
82.5°	5.0	4.0	3.0	3.0	2.0	2.0	1.0	1.0	0.0	0.0	0.0
85°	3.0	3.0	3.0	3.0	2.0	1.0	1.0	0.0	0.0	0.0	0.0
87.5°	1.0	1.0	1.0	2.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
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)