

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: P676950

Luminaire Tested: **CCW-SA-1A-722-U-SL3-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676950
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1A-722-U-SL3-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @350mA w/
SL3 distribution lens and House Side Shield
Light Source: (16) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

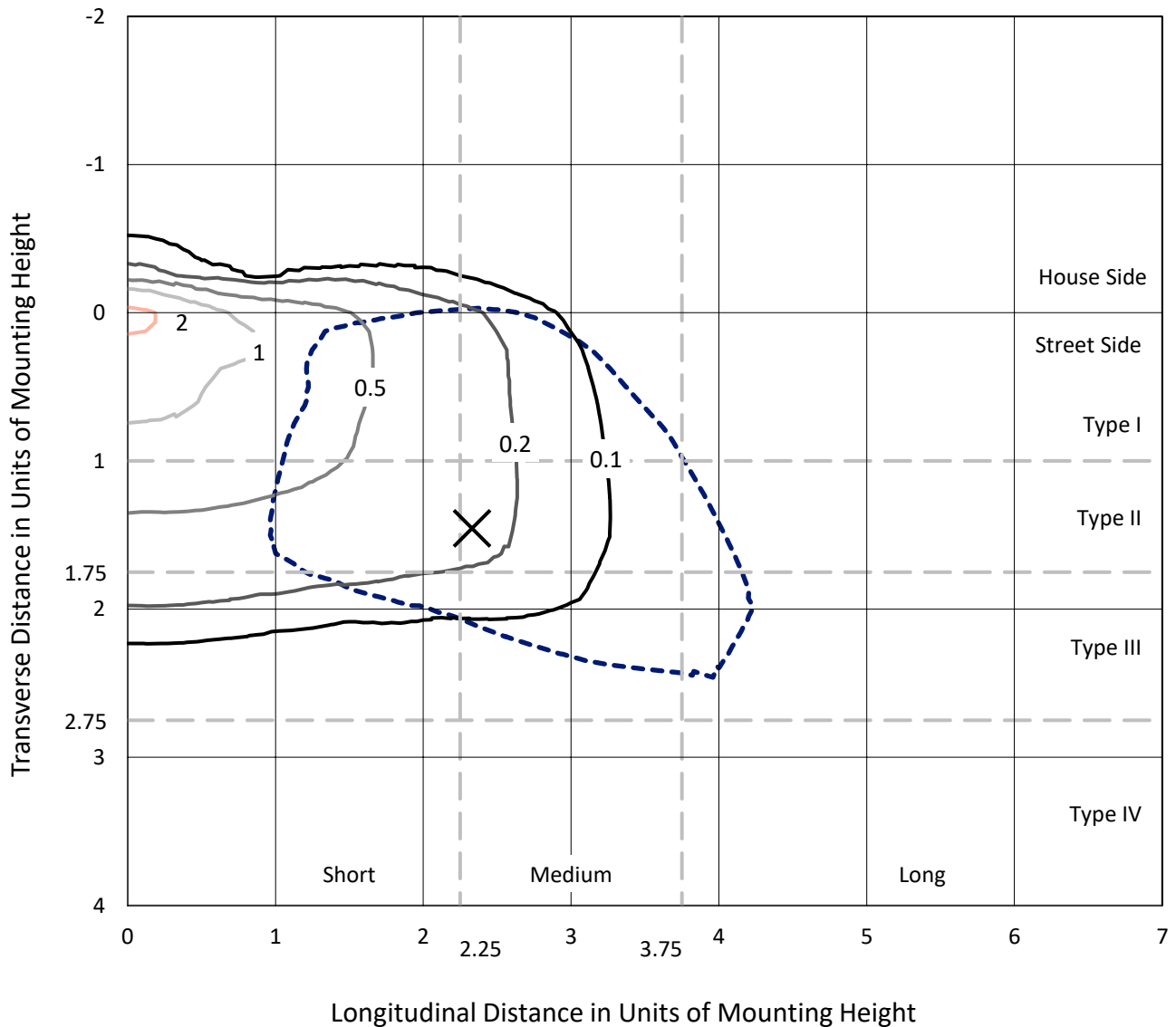
Lumens per Lamp: N/A
Luminaire Lumens: 1665.3 lumens
Efficiency: N/A
Efficacy: 92.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B0 - U0 - G1

Input Watts (W): 18
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

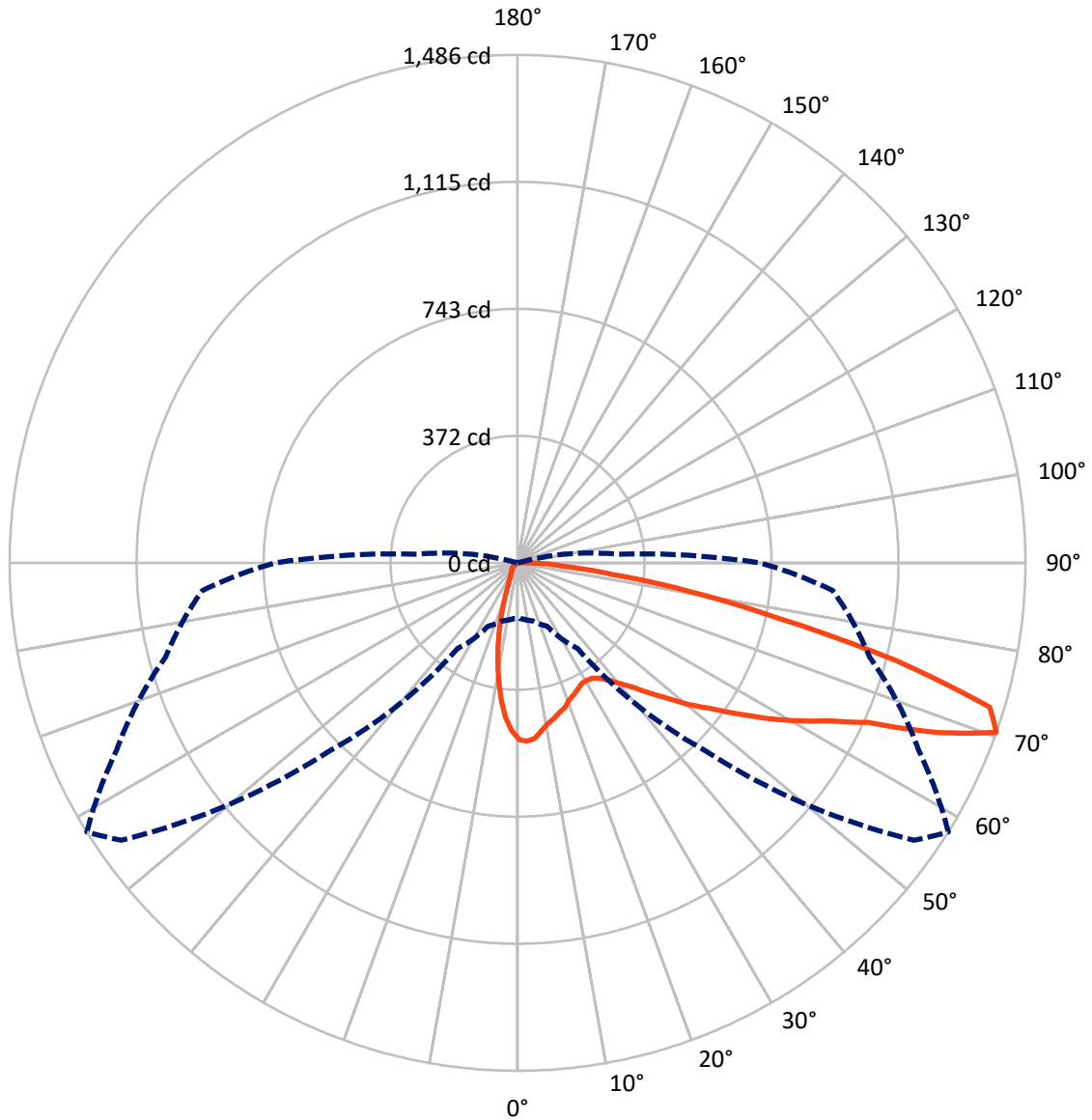
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.3 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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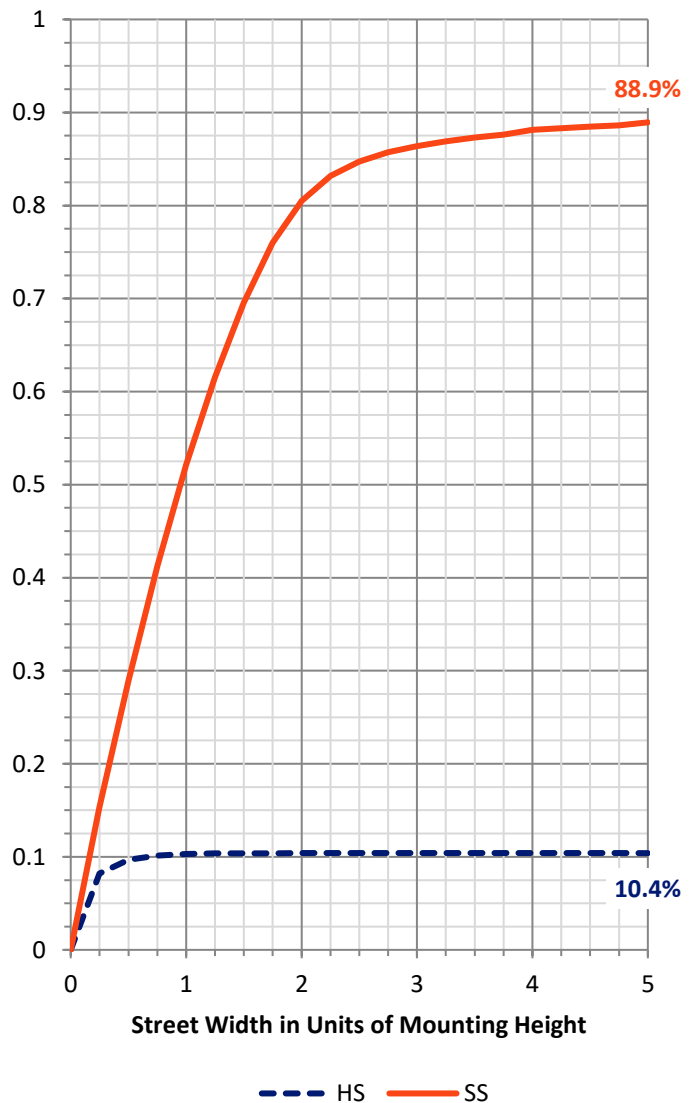
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	174.4	0.0	174.4
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	1490.9	0.0	1490.9
	% Fixture	89.5	0.0	89.5
Total	Lumens	1665.3	0.0	1665.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.2	2.5
10°-20°	87.8	5.3
20°-30°	117.6	7.1
30°-40°	158.9	9.5
40°-50°	228.1	13.7
50°-60°	336.2	20.2
60°-70°	410.0	24.6
70°-80°	250.4	15.0
80°-90°	34.0	2.0
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°	1665.3	100.0
0°-180°	1665.3	100.0

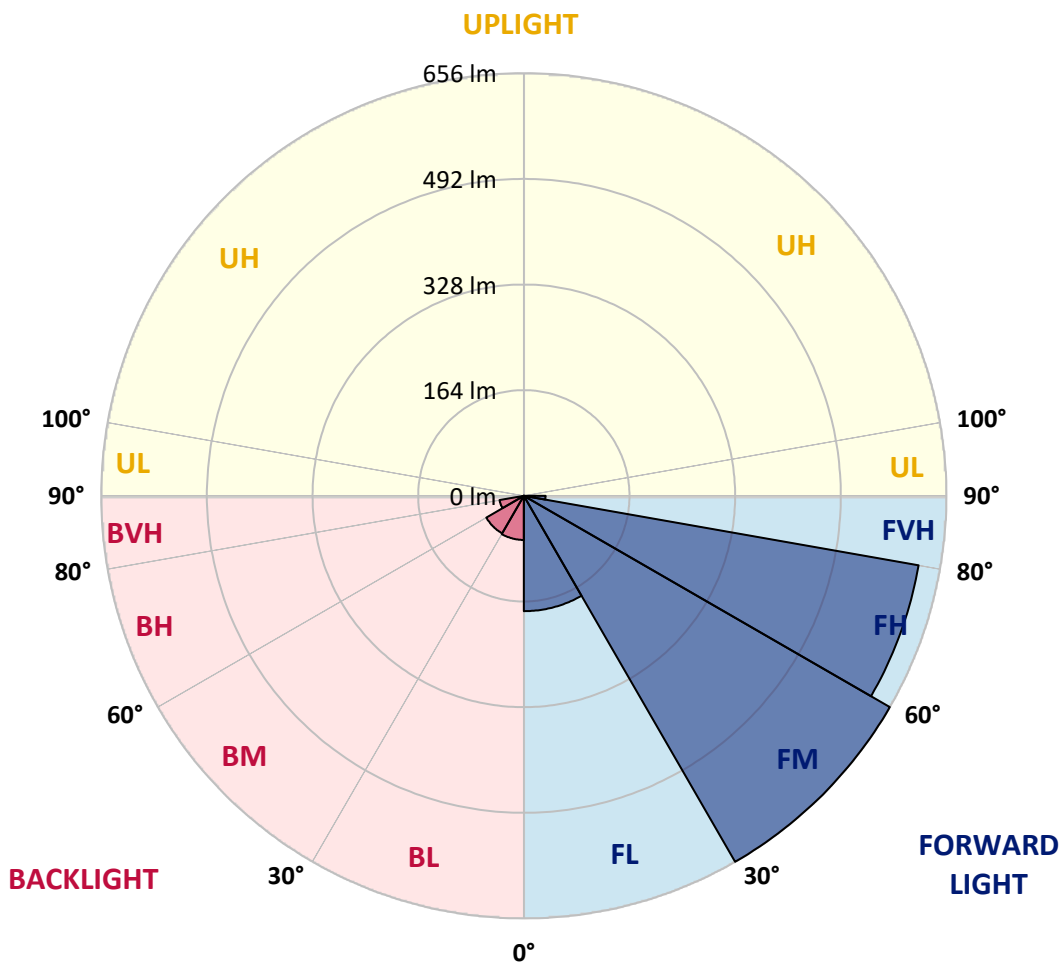


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	179.0	10.8			
FM (30°-60°)	655.9	39.4			
FH (60°-80°)	622.2	37.4			G0/660
FVH (80°-90°)	33.7	2.0			G1/100
BL (0°-30°)	68.5	4.1	B0/110		
BM (30°-60°)	67.3	4.0	B0/220		
BH (60°-80°)	38.2	2.3	B0/110		G0/110
BVH (80°-90°)	0.3	0.0			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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	516.9	516.9	516.9	516.9	516.9	516.9	516.9	516.9	516.9	516.9	516.9
2.5°	526.3	528.3	523.6	529.0	524.0	526.3	523.6	522.8	523.2	523.6	520.5
5°	501.7	506.4	508.4	505.2	512.7	511.5	516.2	516.6	514.6	512.7	513.0
7.5°	469.3	474.0	475.9	477.9	485.3	495.1	501.3	497.4	500.5	507.6	497.0
10°	445.9	444.7	444.3	448.2	462.3	470.5	481.0	479.9	487.7	494.3	485.7
12.5°	417.0	414.6	421.7	424.8	437.3	451.7	459.9	468.5	476.3	483.4	473.6
15°	395.5	397.5	400.2	406.8	415.8	435.0	447.1	455.3	469.3	472.8	468.9
17.5°	378.3	379.9	383.8	387.3	398.6	417.0	436.1	445.9	460.7	470.1	458.0
20°	378.7	374.0	374.0	377.6	383.8	405.7	426.0	429.1	449.4	465.4	457.2
22.5°	379.1	377.6	374.0	373.7	376.4	392.0	412.7	419.7	441.6	460.3	450.6
25°	384.6	378.7	379.1	373.7	374.8	382.6	399.0	409.6	434.6	463.1	447.1
27.5°	389.3	392.0	386.5	384.2	377.6	377.2	390.8	399.8	431.0	469.3	449.4
30°	399.8	401.8	401.8	400.2	394.0	385.0	388.1	399.4	424.0	468.1	445.5
32.5°	417.4	413.9	418.6	416.2	408.0	394.0	396.7	402.5	428.3	483.0	451.7
35°	423.2	426.0	432.2	427.1	424.4	416.2	410.7	415.0	434.6	497.8	461.1
37.5°	441.2	437.3	441.6	452.9	455.6	440.8	430.3	436.5	458.0	515.4	469.7
40°	442.8	445.9	453.7	475.9	478.7	472.4	463.8	465.4	481.4	538.0	491.2
42.5°	450.6	454.1	470.1	488.8	503.7	504.8	498.6	498.6	512.3	574.3	515.0
45°	465.8	459.9	480.6	512.3	533.7	538.0	546.2	544.3	555.2	612.6	559.5
47.5°	471.7	473.6	496.3	534.5	559.1	579.0	592.7	593.1	598.5	661.4	617.3
50°	490.8	490.4	517.7	553.3	589.6	625.9	652.4	652.4	652.0	709.0	666.9
52.5°	516.2	515.4	536.5	578.6	625.9	671.6	706.7	707.9	716.9	767.6	723.9
55°	557.6	554.0	574.3	605.6	662.2	717.6	778.5	778.9	771.9	809.4	764.9
57.5°	592.3	591.9	608.7	638.8	702.8	777.0	847.6	858.2	835.9	852.3	797.7
60°	583.3	588.4	623.1	667.7	745.7	851.2	922.2	938.6	903.1	881.6	822.3
62.5°	527.5	539.2	577.1	648.1	782.1	958.9	1024.9	1017.5	938.2	906.6	852.3
65°	379.5	391.2	438.1	544.7	739.9	1035.1	1160.0	1126.4	1000.7	943.7	892.5
67.5°	223.3	228.0	257.3	347.5	553.3	993.7	1324.0	1326.7	1123.7	1000.7	962.0
70°	161.3	164.8	176.1	205.0	306.5	778.9	1415.4	1486.4	1294.3	1066.3	925.3
72.5°	123.8	123.8	142.9	170.6	195.2	466.6	1302.5	1445.0	1331.4	1003.4	745.7
75°	89.0	91.4	112.1	146.8	180.0	234.3	959.7	1146.7	1128.4	813.3	520.8
77.5°	51.1	52.3	78.9	123.0	169.1	160.9	593.1	777.4	799.2	509.1	225.7
80°	26.2	26.9	44.1	97.2	153.1	140.2	353.7	511.9	434.2	148.0	52.3
82.5°	12.9	12.9	19.9	62.1	130.0	124.2	208.1	282.7	153.8	34.0	21.9
85°	4.3	4.7	9.0	35.1	94.1	75.0	127.3	134.3	51.5	12.9	12.1
87.5°	1.2	1.6	2.3	12.9	41.0	49.2	75.7	85.9	21.1	5.1	5.9
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°	516.9	516.9	516.9	516.9	516.9	516.9	516.9	516.9	516.9	516.9	516.9
2.5°	508.7	506.0	502.9	495.1	488.8	480.6	475.2	470.9	462.7	464.2	460.7
5°	503.7	498.6	480.6	463.5	447.8	424.0	407.6	397.1	388.5	379.9	386.1
7.5°	494.7	482.6	454.5	422.5	389.3	358.0	326.8	308.1	294.4	281.9	281.5
10°	479.5	459.9	415.8	374.0	322.9	281.9	242.1	210.8	190.5	175.7	175.3
12.5°	462.3	442.0	386.5	318.6	259.6	201.9	154.2	121.0	101.9	90.2	88.6
15°	451.4	421.7	349.8	269.4	196.4	131.6	85.5	64.8	57.4	54.7	54.7
17.5°	437.3	403.3	313.5	218.3	136.3	76.1	55.4	50.0	49.6	48.8	48.0
20°	431.4	389.3	281.1	174.1	86.3	53.9	47.6	46.5	46.5	45.7	44.9
22.5°	415.8	369.0	246.8	127.7	57.4	47.2	44.9	43.3	42.6	41.8	42.6
25°	408.8	354.5	214.4	88.2	46.9	42.2	41.0	39.4	38.3	37.9	37.9
27.5°	404.1	340.1	182.7	61.3	41.4	38.7	36.3	35.1	33.6	32.0	32.0
30°	400.6	328.8	152.3	45.3	37.1	34.4	32.4	29.7	27.7	26.2	26.2
32.5°	395.9	315.5	121.8	38.7	33.6	30.8	27.3	25.0	22.3	21.1	21.1
35°	397.5	306.5	95.7	34.4	30.1	26.6	23.4	20.3	17.6	16.4	16.0
37.5°	400.6	299.9	72.6	30.8	26.9	23.0	19.5	16.0	14.4	12.9	12.9
40°	413.9	297.9	53.5	28.5	24.6	20.3	16.4	13.3	11.7	10.5	10.2
42.5°	436.1	300.6	41.4	25.8	22.3	17.2	13.7	10.9	9.4	8.2	7.8
45°	464.6	311.2	34.0	24.2	19.5	14.4	10.9	9.0	7.0	6.2	6.2
47.5°	506.0	327.6	29.7	22.3	17.2	12.1	9.4	7.0	5.5	4.7	4.7
50°	552.9	346.3	26.2	19.9	14.8	10.2	7.4	5.5	3.9	3.5	3.5
52.5°	599.7	370.1	24.2	18.4	12.9	8.2	5.9	3.9	2.7	2.3	2.3
55°	648.9	391.2	21.9	17.2	10.5	6.6	4.3	2.3	1.6	1.2	1.2
57.5°	683.3	399.4	19.1	14.8	8.2	5.1	3.1	1.6	0.8	0.4	0.4
60°	707.9	400.6	16.4	12.1	6.2	3.9	2.0	0.8	0.4	0.0	0.0
62.5°	728.6	402.9	14.1	9.4	4.7	2.7	1.2	0.4	0.0	0.0	0.0
65°	769.6	401.0	11.3	7.4	3.1	1.6	0.8	0.0	0.0	0.0	0.0
67.5°	802.0	381.5	9.0	5.1	2.0	0.8	0.4	0.0	0.0	0.0	0.0
70°	709.4	290.9	7.0	3.5	1.2	0.4	0.0	0.0	0.0	0.0	0.0
72.5°	557.2	194.0	4.7	2.0	0.8	0.4	0.0	0.0	0.0	0.0	0.0
75°	365.5	96.4	3.5	1.2	0.4	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	142.1	25.4	2.3	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	34.4	8.6	1.2	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	14.8	3.1	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	9.0	1.6	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.7	0.8	0.4	0.4	0.0	0.0	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)