

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: P676451

Luminaire Tested: **CCW-SA-1A-827-U-T3-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676451
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1A-827-U-T3-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @350mA w/
T3 distribution lens and House Side Shield
Light Source: (16) 2700K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

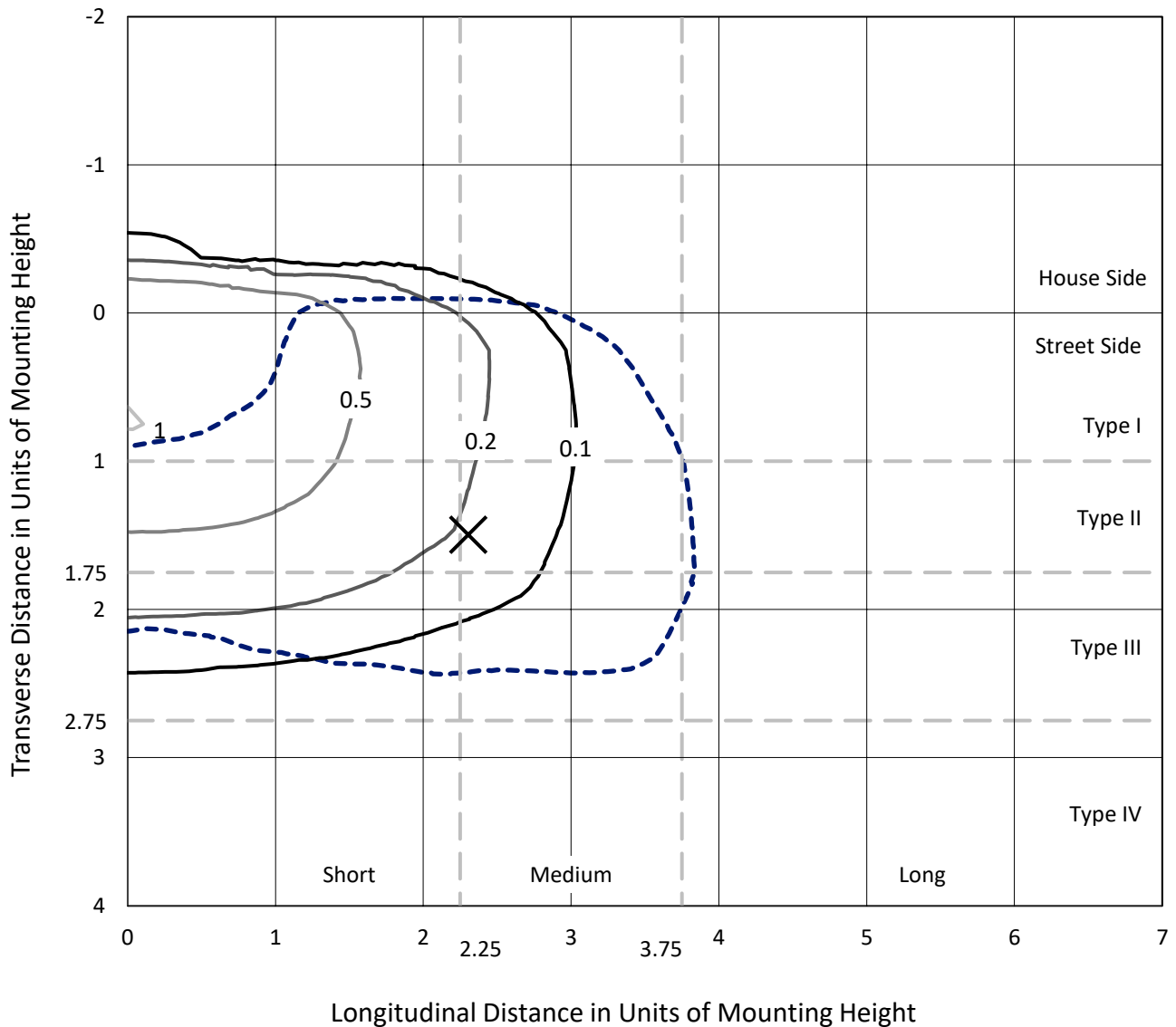
Lumens per Lamp: N/A
Luminaire Lumens: 1448.8 lumens
Efficiency: N/A
Efficacy: 80.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B0 - U0 - G0

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

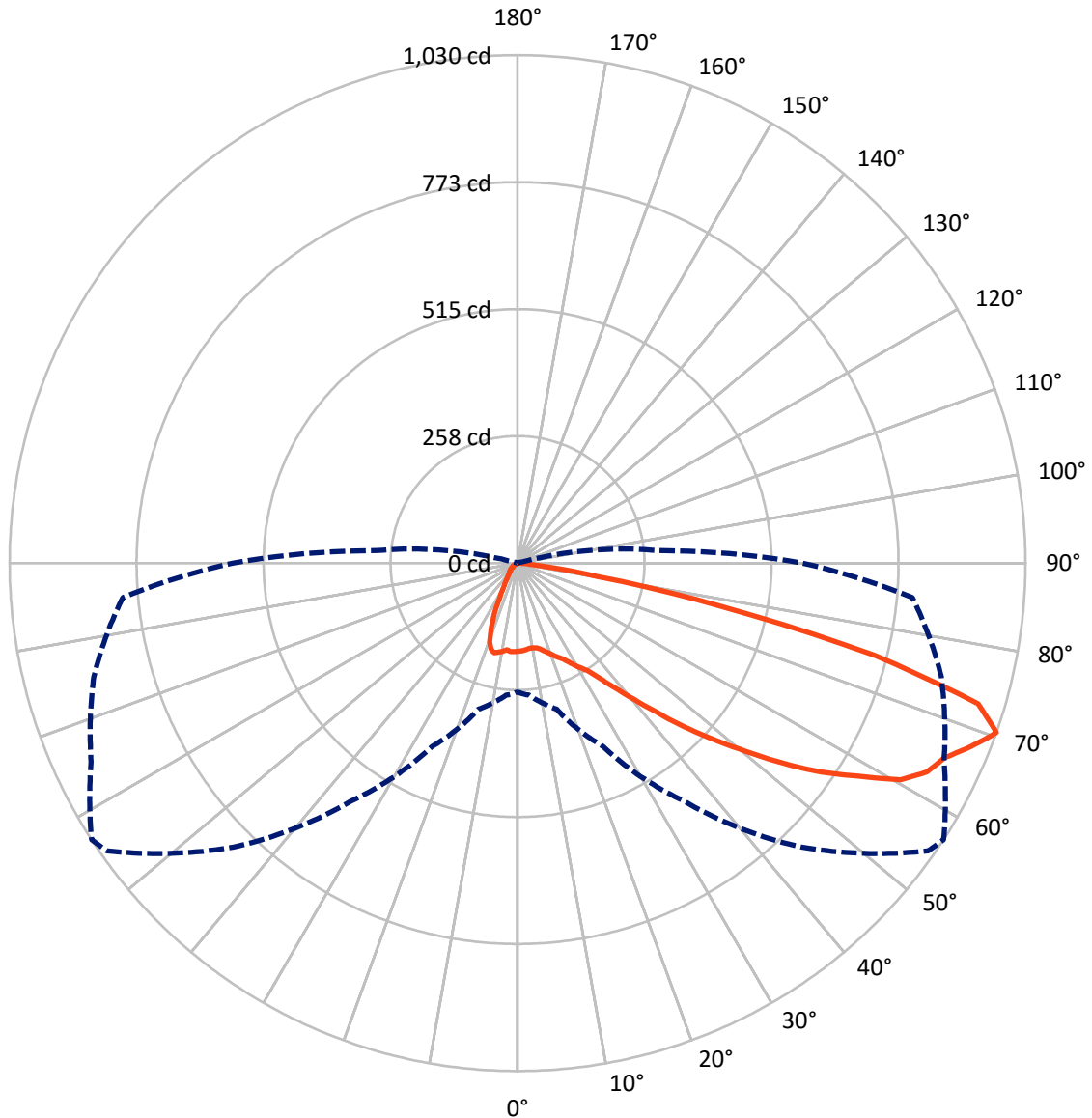
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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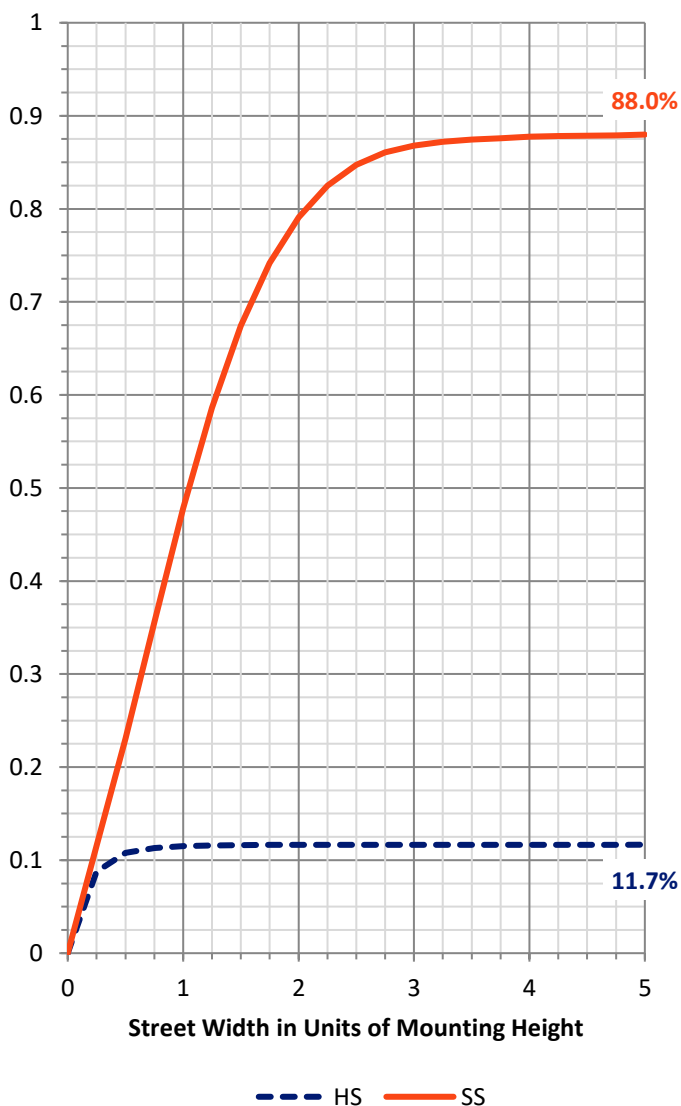
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	170.8	0.0	170.8
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	1278.0	0.0	1278.0
	% Fixture	88.2	0.0	88.2
Total	Lumens	1448.8	0.0	1448.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.7	1.2
10°-20°	46.7	3.2
20°-30°	78.7	5.4
30°-40°	134.7	9.3
40°-50°	226.1	15.6
50°-60°	347.1	24.0
60°-70°	400.7	27.7
70°-80°	189.3	13.1
80°-90°	9.0	0.6
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°	1448.8	100.0
0°-180°	1448.8	100.0



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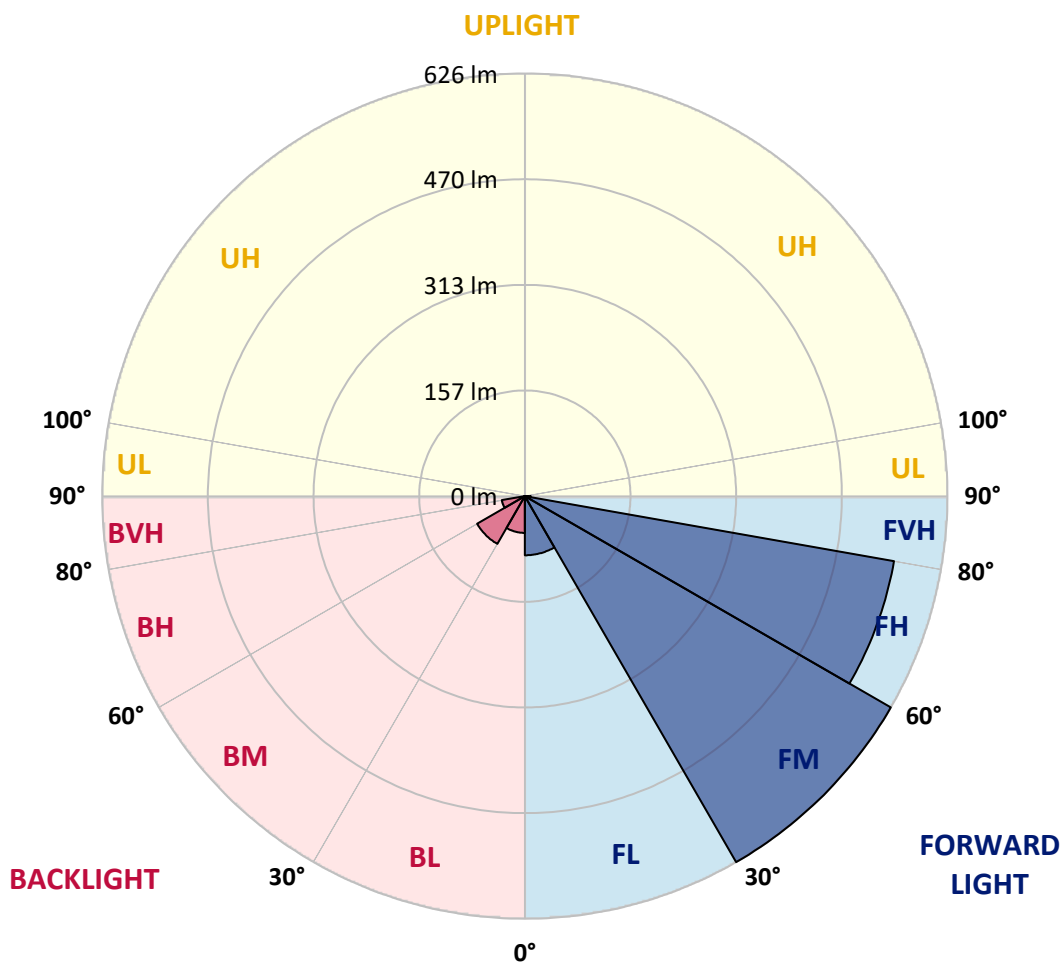
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	87.7	6.0			
FM (30°-60°)	626.2	43.2			
FH (60°-80°)	555.4	38.3			G0/660
FVH (80°-90°)	8.8	0.6			G0/10
BL (0°-30°)	54.4	3.8	B0/110		
BM (30°-60°)	81.6	5.6	B0/220		
BH (60°-80°)	34.5	2.4	B0/110		G0/110
BVH (80°-90°)	0.2	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-G0

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	178.8	178.8	178.8	178.8	178.8	178.8	178.8	178.8	178.8	178.8	178.8
2.5°	176.2	175.1	176.2	177.7	176.2	177.3	176.9	178.0	176.5	176.5	177.7
5°	164.7	166.6	167.3	169.1	171.0	174.3	176.5	176.5	178.8	179.9	181.4
7.5°	160.6	157.7	160.6	162.1	164.0	169.5	172.8	174.3	177.3	181.4	183.6
10°	154.7	156.9	156.9	161.7	164.3	167.7	173.6	174.7	181.4	185.4	187.6
12.5°	154.3	154.3	156.2	159.5	164.7	171.0	178.4	176.2	183.2	190.6	194.3
15°	155.4	158.0	158.0	162.5	166.6	175.4	181.7	182.1	192.1	199.5	202.8
17.5°	160.3	159.1	160.6	163.2	169.5	178.0	188.4	189.5	201.0	211.0	215.8
20°	170.3	172.1	169.9	168.4	171.0	182.1	195.4	197.6	210.6	220.2	225.0
22.5°	207.6	206.2	197.3	186.9	182.5	187.6	202.1	207.3	222.4	233.9	238.0
25°	249.8	247.2	236.9	221.3	201.0	198.8	215.4	215.4	237.2	249.8	248.7
27.5°	289.8	289.1	276.8	260.6	231.7	215.8	226.1	230.2	253.9	264.3	259.5
30°	330.5	331.3	320.1	300.5	270.2	243.2	241.3	244.6	266.5	282.8	272.8
32.5°	377.9	371.2	363.5	336.4	308.7	278.3	260.9	259.5	280.5	295.4	282.0
35°	420.1	416.0	407.5	383.1	351.2	315.0	290.5	286.8	298.3	317.9	303.5
37.5°	457.1	453.0	441.9	425.6	400.8	360.5	326.1	320.5	325.3	346.1	328.7
40°	488.9	490.0	487.1	471.2	448.2	411.6	372.0	363.1	359.0	377.5	357.9
42.5°	511.9	522.6	523.3	503.7	485.2	465.2	420.8	413.8	404.2	419.7	406.0
45°	560.0	554.1	557.8	550.7	530.4	527.4	477.1	473.0	459.7	464.9	450.4
47.5°	597.7	596.6	603.7	592.2	586.6	587.0	541.1	534.1	515.2	524.8	508.5
50°	619.6	613.6	639.2	648.1	647.0	651.4	605.9	600.0	581.8	595.9	561.1
52.5°	624.8	635.5	659.5	691.7	705.4	714.7	676.6	674.3	654.7	663.6	615.5
55°	637.7	648.1	662.1	715.1	765.8	768.0	746.2	748.4	731.0	728.8	667.3
57.5°	637.3	635.1	674.0	735.4	805.7	837.6	825.7	815.0	796.1	774.3	700.6
60°	614.0	612.9	653.3	738.0	827.6	900.5	905.3	892.7	845.3	813.1	739.9
62.5°	567.8	572.2	612.9	715.8	848.3	923.1	940.8	932.3	873.5	839.0	786.1
65°	514.8	505.6	553.0	660.3	801.7	916.4	954.9	951.9	906.8	867.2	828.7
67.5°	413.0	417.1	453.4	568.1	722.1	892.0	987.8	992.3	933.4	892.0	841.6
70°	261.7	269.1	306.8	410.5	589.6	815.0	1017.4	1030.4	954.5	889.8	803.9
72.5°	76.2	79.2	130.7	204.7	375.7	653.6	970.1	976.7	913.4	807.6	621.8
75°	25.2	26.6	38.5	66.6	147.3	337.9	716.5	748.0	726.9	585.5	355.7
77.5°	16.7	17.4	21.1	31.8	55.9	105.9	384.2	417.9	409.7	274.3	114.7
80°	12.2	12.6	15.5	21.5	34.1	38.1	141.8	164.0	158.4	62.9	22.9
82.5°	7.8	7.8	11.5	15.2	21.5	18.9	41.1	45.5	44.4	24.1	8.9
85°	5.2	5.6	8.5	11.8	11.8	8.9	11.8	13.7	14.8	13.0	4.1
87.5°	1.5	1.9	4.8	8.1	4.8	4.4	4.1	4.4	5.2	7.0	2.2
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°	178.8	178.8	178.8	178.8	178.8	178.8	178.8	178.8	178.8	178.8	178.8
2.5°	178.8	180.2	179.9	180.6	179.5	178.4	179.5	179.5	179.5	178.4	177.7
5°	180.2	179.5	180.2	178.8	180.2	178.8	178.0	175.8	175.4	175.4	176.9
7.5°	182.5	183.2	179.9	179.9	176.5	177.3	175.4	175.8	175.1	174.0	173.2
10°	185.8	188.8	185.4	184.3	180.6	177.7	173.2	171.0	171.0	169.5	171.0
12.5°	195.1	193.9	192.1	188.4	183.9	178.0	167.3	156.6	147.7	141.0	144.3
15°	202.5	202.1	199.5	192.5	186.5	168.4	141.4	113.6	98.8	92.2	91.0
17.5°	213.9	212.8	208.4	199.1	179.5	139.5	97.0	73.7	59.2	55.9	54.8
20°	224.7	224.3	214.7	202.8	161.7	101.8	63.3	48.5	44.4	44.8	44.0
22.5°	236.1	234.3	222.8	198.4	128.8	67.7	45.2	43.3	41.8	41.5	42.2
25°	249.1	242.4	231.0	188.4	94.7	46.6	42.6	41.1	39.6	39.2	39.2
27.5°	254.3	249.8	234.7	164.3	60.0	40.7	40.0	38.1	36.3	35.2	34.8
30°	266.1	258.7	238.4	129.2	42.6	37.4	36.3	34.1	31.5	29.6	29.6
32.5°	278.0	269.1	238.7	90.3	35.5	33.7	31.8	28.9	25.5	23.7	24.1
35°	292.8	280.5	234.7	58.5	31.8	29.6	25.9	22.6	19.6	18.1	18.1
37.5°	317.9	306.5	218.0	38.5	28.9	25.2	21.5	17.8	15.2	14.1	14.1
40°	349.8	335.0	195.1	30.3	25.5	21.5	17.0	13.7	12.2	11.1	11.1
42.5°	387.9	369.4	161.0	27.0	22.6	17.8	13.3	10.7	9.3	9.3	8.9
45°	426.0	395.7	126.2	24.8	20.0	14.8	10.4	8.5	7.8	7.4	7.4
47.5°	480.4	427.5	90.3	22.6	17.4	11.5	8.5	7.0	6.3	5.9	6.3
50°	532.6	457.5	64.0	20.4	14.4	9.3	7.0	6.3	5.6	5.2	5.2
52.5°	578.5	478.2	44.8	17.8	12.2	7.8	6.3	5.6	5.2	4.8	4.8
55°	603.7	471.2	30.7	15.2	10.0	6.7	5.6	4.8	4.4	4.1	4.1
57.5°	629.6	451.5	23.3	12.6	8.1	6.3	5.2	4.4	4.1	3.7	3.7
60°	651.4	437.1	18.1	10.0	6.7	5.2	4.4	3.7	3.3	3.0	2.6
62.5°	652.5	408.2	13.3	7.4	5.2	4.4	3.7	3.0	1.9	1.5	1.1
65°	657.0	377.9	9.6	5.6	3.7	3.3	2.6	1.5	0.7	0.0	0.0
67.5°	641.4	342.0	7.8	4.1	2.6	1.9	1.1	0.4	0.0	0.0	0.0
70°	578.1	288.7	5.9	3.0	1.9	1.1	0.4	0.0	0.0	0.0	0.0
72.5°	413.8	187.6	4.1	2.2	0.7	0.4	0.0	0.0	0.0	0.0	0.0
75°	220.6	79.9	3.0	1.5	0.4	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	69.2	20.4	1.9	0.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0
80°	15.2	5.6	1.1	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	5.2	2.2	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	1.9	0.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.7	0.4	0.4	0.0	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)