

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: P674414

Luminaire Tested: **CCP-SA-1A-740-U-AFL-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674414
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1A-740-U-AFL-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @350mA w/ AFL distribution lens and House Side Shield
Light Source: (16) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

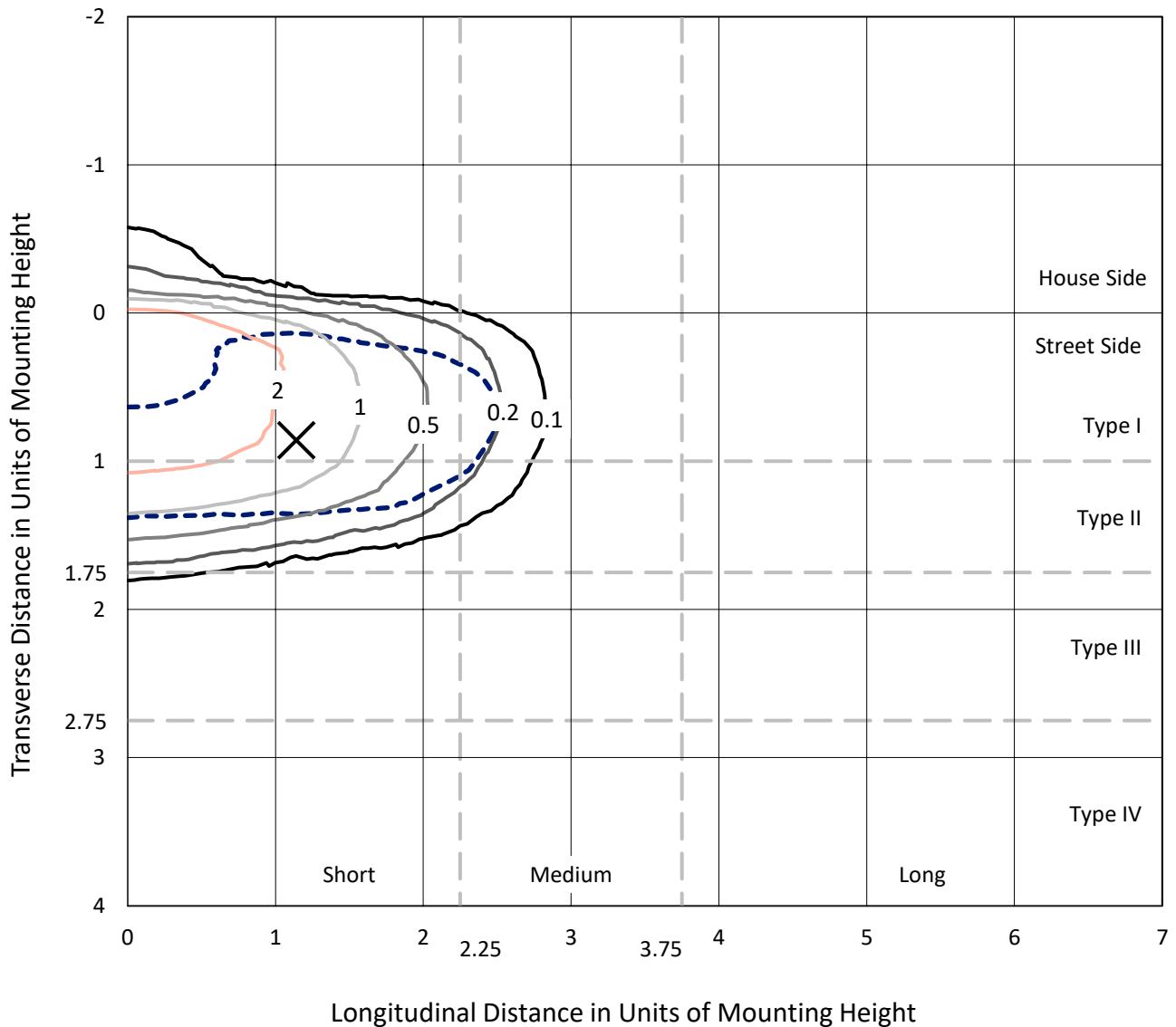
Lumens per Lamp: N/A
Luminaire Lumens: 2268.7 lumens
Efficiency: N/A
Efficacy: 126.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G0

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

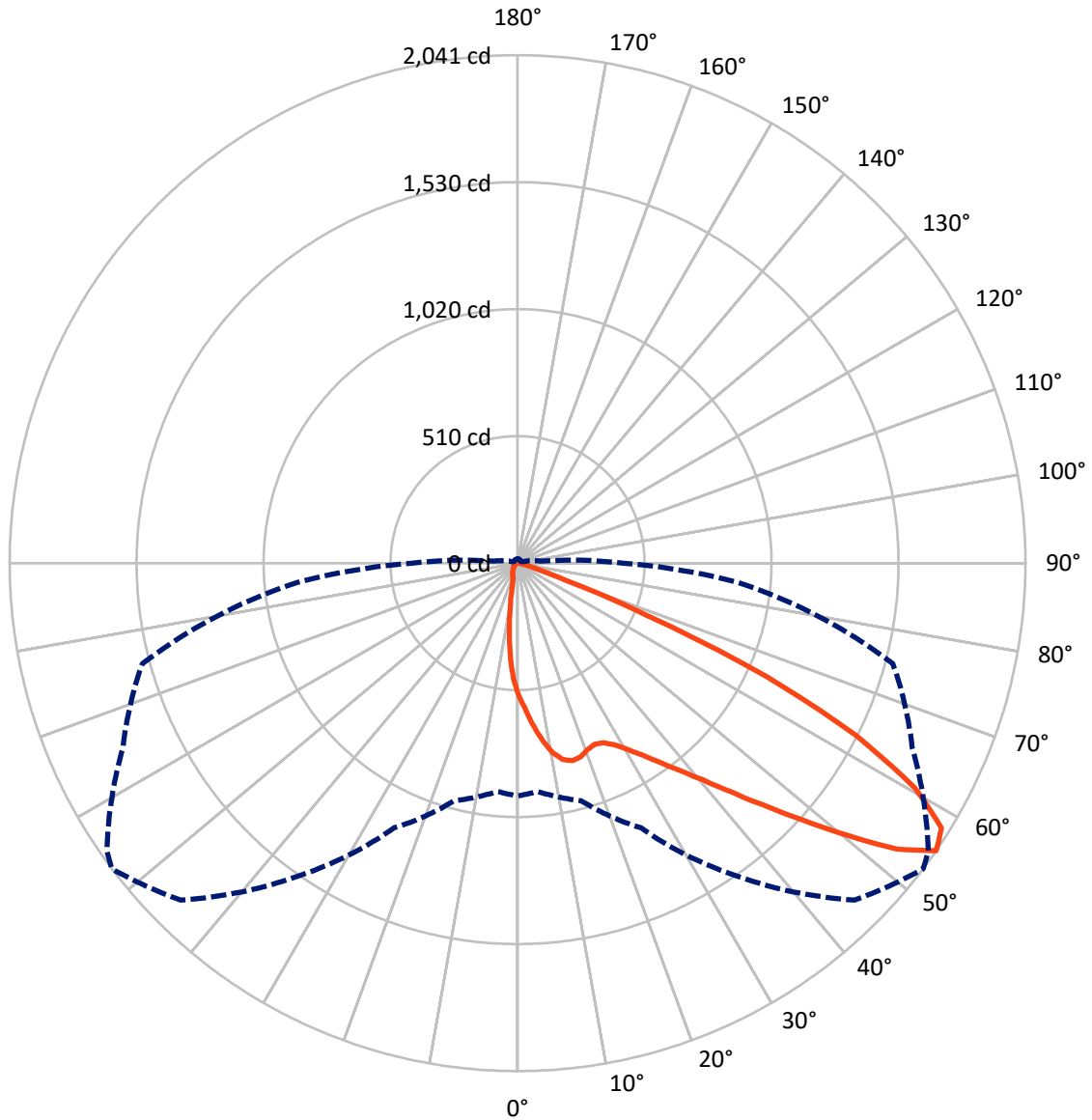
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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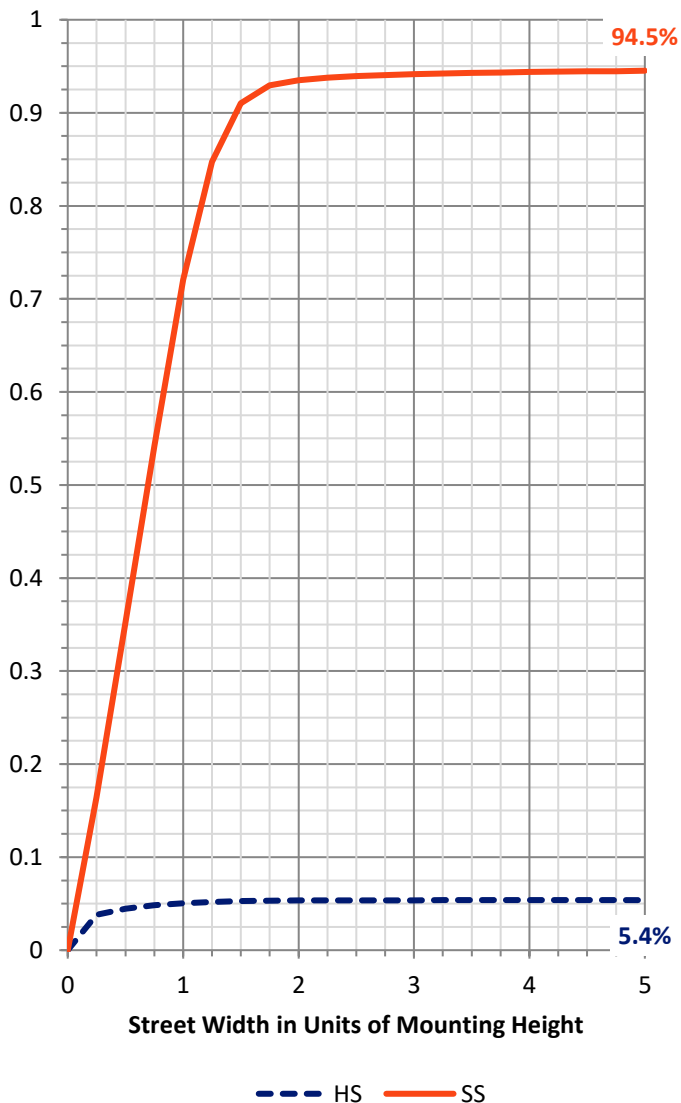
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	122.6	0.0	122.6
	% Fixture	5.4	0.0	5.4
Street Side	Lumens	2146.1	0.0	2146.1
	% Fixture	94.6	0.0	94.6
Total	Lumens	2268.7	0.0	2268.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.5	2.1
10°-20°	124.0	5.5
20°-30°	207.6	9.2
30°-40°	339.6	15.0
40°-50°	545.9	24.1
50°-60°	616.4	27.2
60°-70°	328.8	14.5
70°-80°	54.0	2.4
80°-90°	4.8	0.2
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°	2268.7	100.0
0°-180°	2268.7	100.0

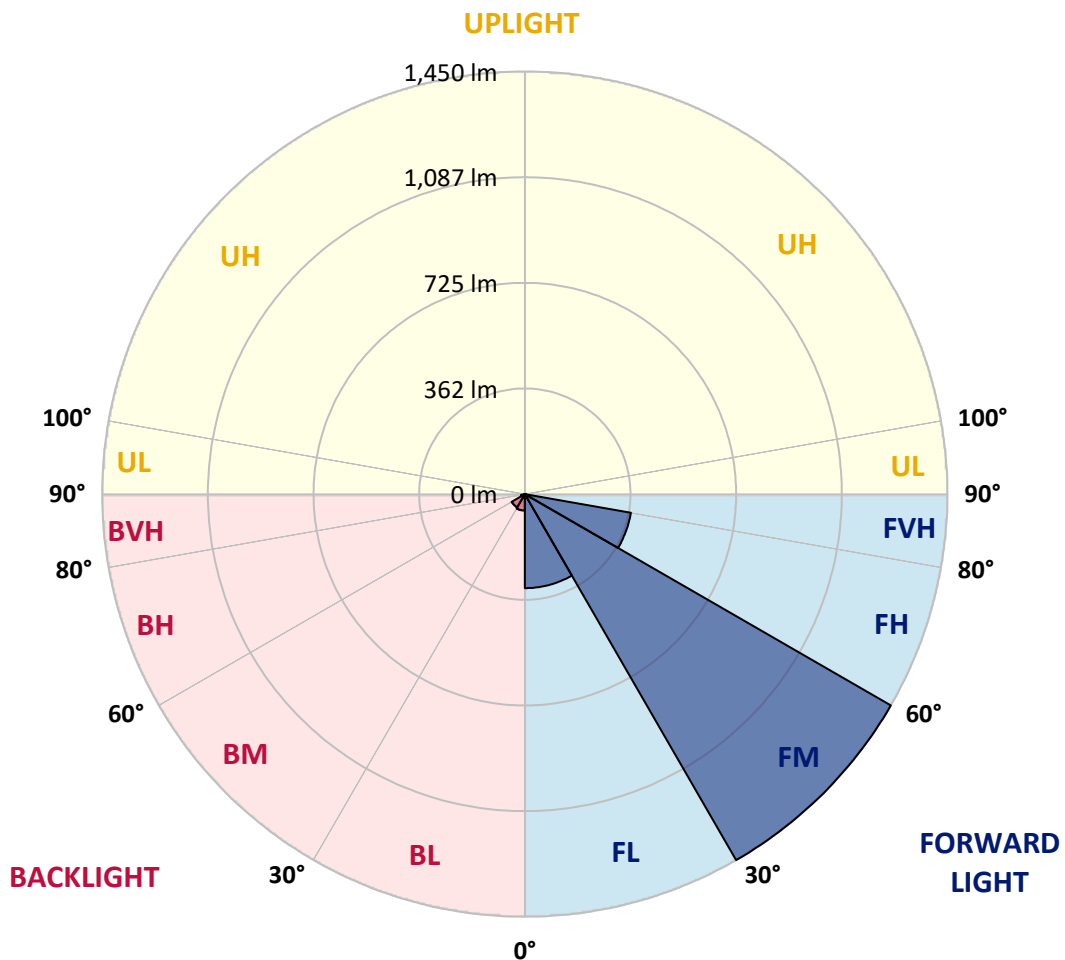


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	322.5	14.2			
FM (30°-60°)	1449.7	63.9			
FH (60°-80°)	369.4	16.3			G0/660
FVH (80°-90°)	4.4	0.2			G0/10
BL (0°-30°)	56.6	2.5	B0/110		
BM (30°-60°)	52.2	2.3	B0/220		
BH (60°-80°)	13.4	0.6	B0/110		G0/110
BVH (80°-90°)	0.4	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	530.9	530.9	530.9	530.9	530.9	530.9	530.9	530.9	530.9	530.9	530.9
2.5°	636.7	632.9	635.1	629.3	618.8	605.7	586.0	587.0	571.5	558.0	539.3
5°	741.8	737.9	736.7	722.0	707.2	683.6	654.4	649.6	621.2	586.8	547.6
7.5°	797.3	793.9	796.5	791.1	776.6	755.1	718.2	714.6	670.7	618.6	560.9
10°	771.8	770.7	781.6	794.3	806.0	803.4	773.8	768.3	719.0	653.6	574.7
12.5°	703.5	707.2	721.2	744.6	780.8	814.8	810.0	811.0	768.3	691.5	589.8
15°	663.3	667.9	675.8	688.0	732.5	792.9	823.7	833.7	815.6	733.9	607.7
17.5°	659.9	663.7	664.9	669.5	695.5	757.7	818.2	837.0	857.7	773.8	627.7
20°	686.0	687.6	686.6	683.2	692.5	738.6	800.7	827.7	892.5	816.4	645.4
22.5°	735.1	732.7	729.7	717.2	716.6	744.0	791.1	819.4	913.2	851.6	657.1
25°	795.9	790.9	786.8	769.1	760.7	772.0	799.7	822.3	931.9	885.7	665.5
27.5°	862.3	863.9	853.5	829.7	816.6	814.2	826.1	843.0	949.9	916.4	670.1
30°	933.2	934.0	920.5	895.9	884.0	868.6	867.9	878.0	969.4	951.5	674.4
32.5°	1014.1	1016.3	994.3	968.6	947.8	927.9	918.1	926.7	1004.4	997.5	683.4
35°	1131.0	1121.5	1091.7	1052.9	1023.3	997.3	982.3	987.9	1050.9	1052.5	701.3
37.5°	1251.5	1250.5	1217.5	1161.6	1113.1	1080.7	1055.3	1064.4	1116.3	1126.3	729.9
40°	1363.8	1366.4	1337.8	1289.1	1226.6	1171.0	1143.8	1149.9	1203.2	1215.7	764.7
42.5°	1437.1	1435.8	1437.9	1424.0	1361.4	1295.8	1254.9	1258.2	1304.2	1310.7	808.2
45°	1470.9	1465.6	1484.3	1528.4	1503.5	1434.6	1387.8	1383.7	1408.9	1407.1	847.8
47.5°	1441.7	1431.8	1474.7	1581.1	1629.2	1608.3	1541.5	1533.9	1512.5	1498.2	888.9
50°	1296.4	1292.0	1383.9	1556.0	1708.1	1768.9	1719.8	1691.8	1604.9	1565.4	910.6
52.5°	1158.3	1146.1	1208.2	1428.2	1672.9	1898.1	1908.2	1858.3	1681.6	1584.6	903.2
55°	935.6	920.7	988.3	1173.4	1533.5	1914.6	2040.6	2014.6	1748.8	1560.8	888.3
57.5°	568.3	553.6	653.0	840.4	1226.4	1777.4	2008.0	2034.5	1800.5	1534.5	878.6
60°	238.9	229.6	268.5	401.1	783.2	1460.8	1835.1	1901.1	1810.2	1498.6	882.6
62.5°	124.2	120.1	122.2	160.6	316.6	961.9	1527.4	1642.3	1712.0	1482.7	886.5
65°	93.2	90.0	83.1	88.3	123.0	415.8	1097.6	1251.5	1499.2	1442.3	859.7
67.5°	76.5	73.5	68.6	67.0	72.6	144.3	560.3	760.3	1174.8	1270.4	763.5
70°	61.0	60.0	58.4	55.5	54.5	70.0	201.0	309.9	776.8	895.9	553.4
72.5°	50.9	51.1	49.3	46.7	43.1	45.1	80.1	105.9	375.9	429.6	231.8
75°	42.5	42.5	43.1	39.6	36.0	31.0	44.5	51.7	120.7	99.2	49.5
77.5°	33.4	33.8	36.4	33.4	28.8	19.5	24.3	27.6	35.8	28.6	18.1
80°	26.6	26.2	25.2	30.0	25.8	13.7	11.5	12.7	16.7	13.7	8.9
82.5°	18.7	18.5	17.7	20.3	20.1	10.1	7.6	7.8	10.1	8.7	5.6
85°	4.6	5.4	11.3	9.5	8.3	6.0	4.6	5.0	6.6	5.8	3.0
87.5°	2.0	2.0	5.2	6.2	4.0	2.6	2.0	2.2	3.4	3.4	1.8
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°	530.9	530.9	530.9	530.9	530.9	530.9	530.9	530.9	530.9	530.9	530.9
2.5°	532.7	519.8	503.5	486.2	468.5	447.2	433.7	422.6	413.8	407.1	404.7
5°	534.7	509.9	472.9	427.0	380.3	336.5	302.7	277.7	257.0	245.7	240.7
7.5°	534.5	501.5	434.7	357.8	281.9	218.9	174.1	146.5	128.0	120.5	115.9
10°	534.3	490.6	391.2	281.1	188.4	126.8	93.4	77.9	71.2	68.6	68.2
12.5°	540.1	478.1	342.5	206.9	118.3	78.9	65.0	61.4	59.8	59.0	58.8
15°	543.3	466.5	291.2	146.1	79.7	62.4	58.0	56.5	55.9	55.5	55.3
17.5°	546.6	448.6	242.5	105.7	63.8	56.7	54.1	53.1	52.7	52.7	52.7
20°	547.2	429.4	194.2	77.9	56.7	52.9	50.3	49.3	48.7	48.3	48.3
22.5°	542.9	406.5	152.7	63.2	52.5	49.3	46.5	44.9	43.9	43.7	43.7
25°	531.9	374.1	117.1	55.5	49.1	45.7	42.3	40.6	39.8	39.8	39.8
27.5°	516.2	335.9	90.4	49.3	44.7	41.3	38.4	36.8	36.6	36.4	36.6
30°	498.3	299.2	69.2	43.7	39.6	36.8	34.4	33.6	34.0	34.0	34.2
32.5°	480.4	262.4	54.1	39.4	35.0	32.6	31.4	31.4	32.0	32.0	32.0
35°	465.1	226.4	45.3	35.8	31.8	29.8	29.2	29.8	30.2	30.4	30.4
37.5°	456.6	195.4	40.0	32.6	29.2	27.6	27.4	28.0	28.8	29.4	29.6
40°	453.4	171.5	36.8	30.2	26.8	25.8	25.6	26.4	27.8	28.8	29.0
42.5°	453.6	150.5	34.0	27.8	25.2	23.9	23.9	25.0	26.4	27.4	27.4
45°	455.0	132.4	31.2	25.4	23.9	21.5	21.7	23.3	24.3	25.2	25.2
47.5°	456.2	117.9	28.2	22.9	20.7	19.5	19.9	21.1	22.5	24.1	24.1
50°	449.2	107.5	25.2	20.1	18.1	17.7	18.5	19.5	21.5	23.1	23.3
52.5°	432.5	98.2	22.7	17.9	16.3	16.5	17.5	18.1	19.7	19.9	20.1
55°	425.2	93.4	20.7	16.3	14.9	15.5	16.1	16.3	15.9	14.9	14.9
57.5°	423.6	90.2	18.7	14.7	13.7	14.5	14.3	13.1	11.9	10.7	10.5
60°	425.2	85.9	17.1	12.7	12.5	12.7	12.1	9.9	8.3	7.6	7.2
62.5°	416.0	79.5	15.7	10.9	10.9	10.7	9.1	6.8	5.4	4.8	4.6
65°	385.8	67.0	14.3	9.1	8.9	8.5	6.2	4.6	3.6	3.0	2.8
67.5°	326.4	51.9	12.9	7.6	7.2	6.0	4.0	3.0	2.0	1.8	1.6
70°	222.6	32.2	10.9	6.0	5.4	3.8	2.4	1.8	1.2	1.0	0.8
72.5°	80.7	18.7	9.1	4.6	3.6	2.4	1.4	0.8	0.6	0.6	0.4
75°	19.1	13.1	7.0	3.4	2.4	1.4	0.8	0.6	0.4	0.4	0.2
77.5°	8.7	10.1	4.6	2.0	1.6	1.0	0.6	0.4	0.2	0.2	0.0
80°	5.0	7.2	2.2	1.4	1.2	0.8	0.4	0.2	0.2	0.0	0.0
82.5°	2.6	4.0	1.6	1.2	1.0	0.6	0.4	0.0	0.0	0.0	0.0
85°	1.8	2.0	1.2	1.0	0.8	0.6	0.4	0.0	0.0	0.0	0.0
87.5°	1.4	1.4	1.2	1.0	0.8	0.6	0.2	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)