

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: P674392

Luminaire Tested: **CCP-SA-1A-730-U-AFL-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674392
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1A-730-U-AFL-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @350mA w/ AFL distribution lens and House Side Shield
Light Source: (16) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

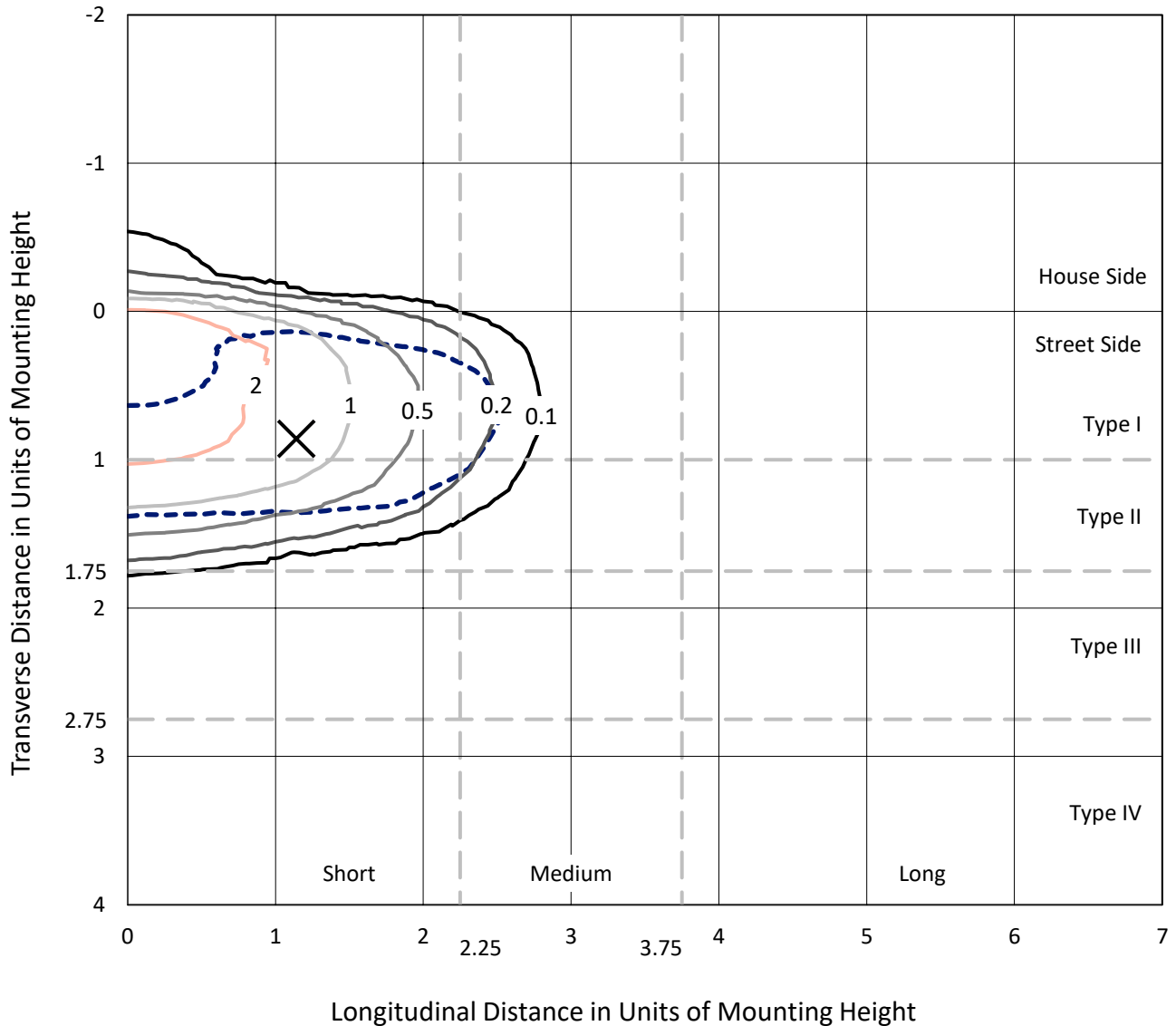
Lumens per Lamp: N/A
Luminaire Lumens: 2065.9 lumens
Efficiency: N/A
Efficacy: 114.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G0

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

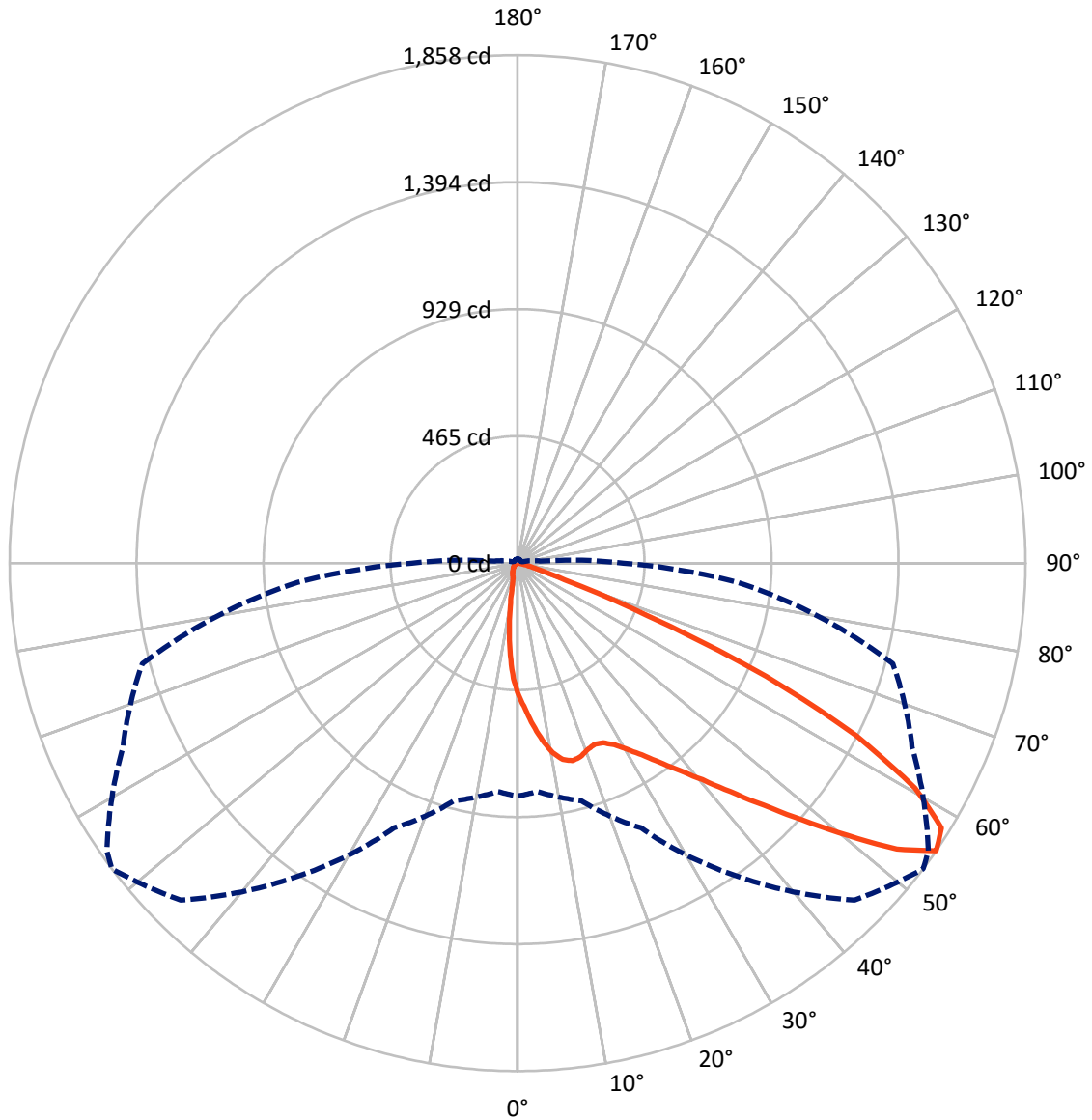
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.1 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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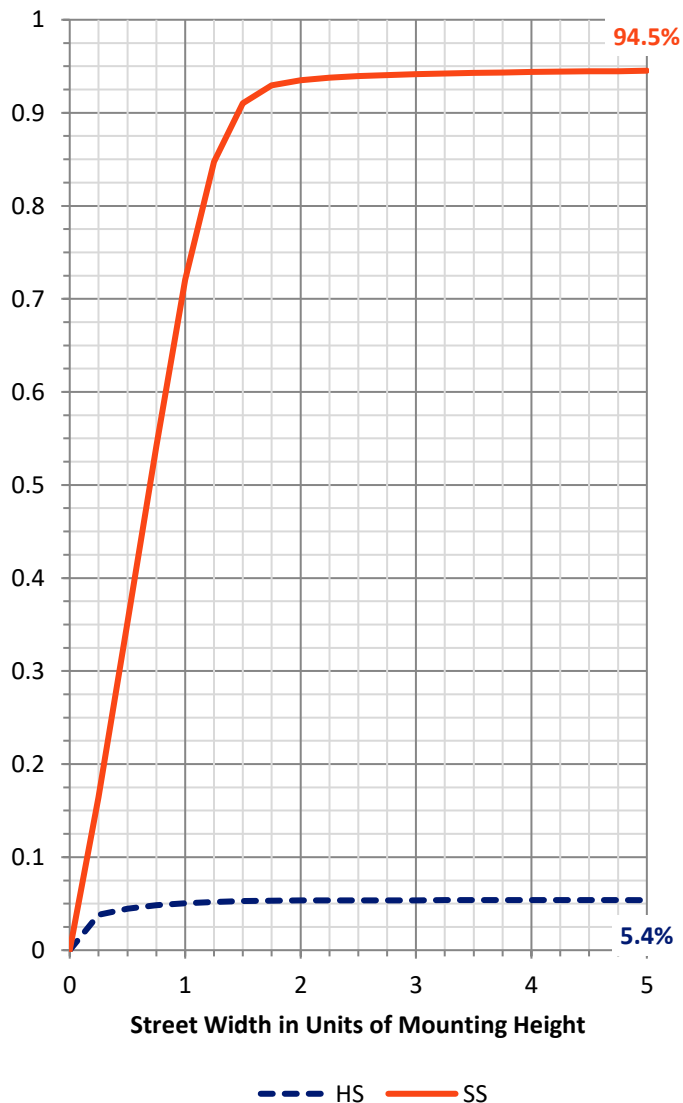
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	111.7	0.0	111.7
	% Fixture	5.4	0.0	5.4
Street Side	Lumens	1954.2	0.0	1954.2
	% Fixture	94.6	0.0	94.6
Total	Lumens	2065.9	0.0	2065.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.2	2.1
10°-20°	112.9	5.5
20°-30°	189.0	9.2
30°-40°	309.3	15.0
40°-50°	497.1	24.1
50°-60°	561.3	27.2
60°-70°	299.4	14.5
70°-80°	49.2	2.4
80°-90°	4.4	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°	2065.9	100.0
0°-180°	2065.9	100.0

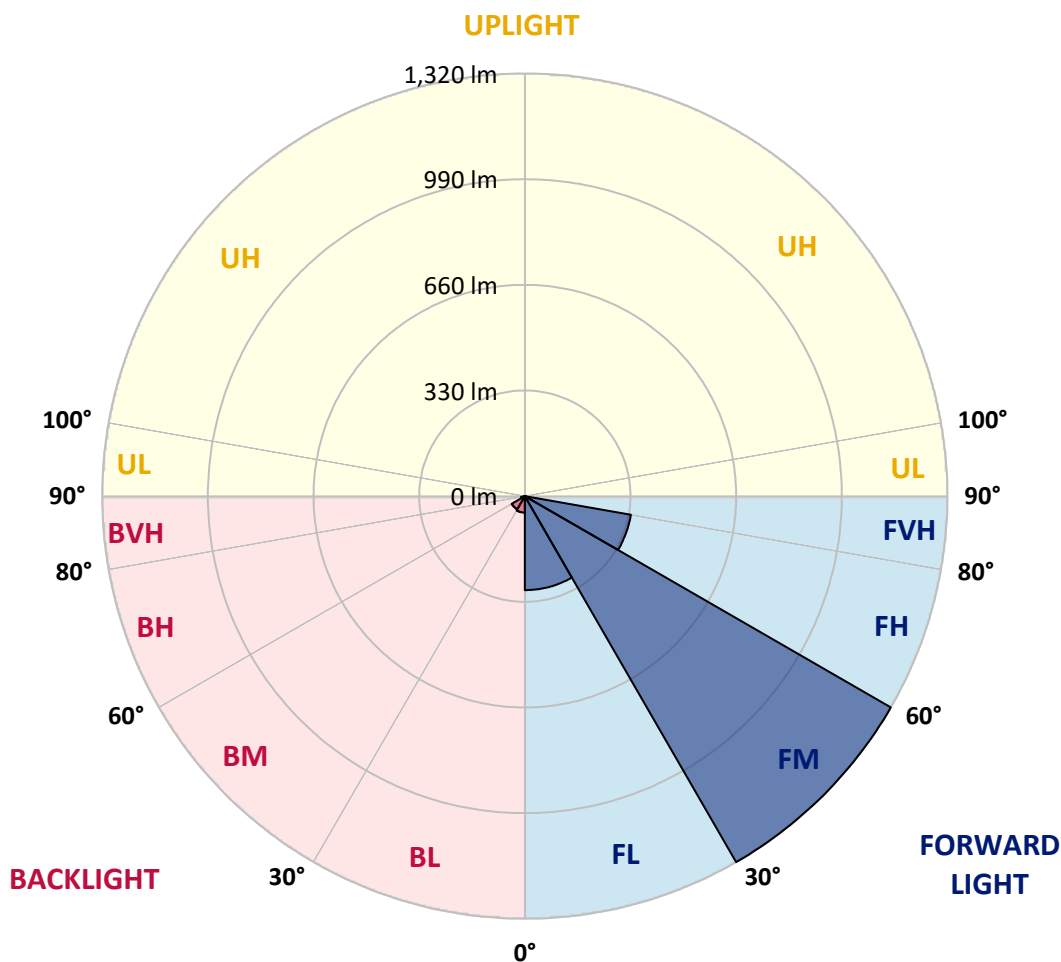


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	293.7	14.2			
FM (30°-60°)	1320.1	63.9			
FH (60°-80°)	336.4	16.3			G0/660
FVH (80°-90°)	4.0	0.2			G0/10
BL (0°-30°)	51.5	2.5	B0/110		
BM (30°-60°)	47.6	2.3	B0/220		
BH (60°-80°)	12.2	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°	483.5	483.5	483.5	483.5	483.5	483.5	483.5	483.5	483.5	483.5	483.5
2.5°	579.8	576.3	578.3	573.1	563.5	551.5	533.6	534.5	520.4	508.1	491.1
5°	675.5	671.9	670.8	657.4	644.0	622.5	595.9	591.5	565.6	534.3	498.7
7.5°	726.0	722.9	725.3	720.4	707.2	687.6	654.0	650.7	610.7	563.3	510.8
10°	702.8	701.8	711.7	723.3	734.0	731.6	704.7	699.6	654.7	595.1	523.3
12.5°	640.6	644.0	656.7	678.0	711.0	741.9	737.6	738.5	699.6	629.7	537.0
15°	604.0	608.2	615.4	626.5	667.0	722.0	750.1	759.1	742.7	668.3	553.3
17.5°	600.9	604.4	605.5	609.6	633.3	690.0	745.0	762.2	781.0	704.7	571.6
20°	624.6	626.1	625.2	622.1	630.6	672.6	729.1	753.7	812.7	743.4	587.7
22.5°	669.4	667.2	664.5	653.1	652.5	677.5	720.4	746.1	831.5	775.4	598.4
25°	724.7	720.2	716.4	700.3	692.7	703.0	728.2	748.8	848.5	806.6	606.0
27.5°	785.2	786.6	777.2	755.5	743.6	741.4	752.3	767.6	865.0	834.4	610.2
30°	849.8	850.5	838.2	815.8	804.9	791.0	790.3	799.5	882.8	866.5	614.1
32.5°	923.5	925.5	905.4	882.0	863.0	844.9	836.1	843.8	914.6	908.3	622.3
35°	1029.9	1021.2	994.1	958.8	931.8	908.1	894.5	899.6	957.0	958.4	638.6
37.5°	1139.6	1138.7	1108.7	1057.8	1013.6	984.1	961.0	969.3	1016.5	1025.6	664.6
40°	1241.9	1244.2	1218.2	1173.8	1117.0	1066.3	1041.5	1047.1	1095.6	1107.0	696.3
42.5°	1308.7	1307.4	1309.4	1296.7	1239.7	1180.0	1142.7	1145.8	1187.6	1193.5	736.0
45°	1339.4	1334.5	1351.6	1391.7	1369.1	1306.3	1263.8	1260.0	1283.0	1281.3	772.0
47.5°	1312.8	1303.8	1342.9	1439.7	1483.5	1464.5	1403.7	1396.8	1377.3	1364.2	809.5
50°	1180.5	1176.5	1260.2	1416.9	1555.4	1610.8	1566.1	1540.5	1461.4	1425.4	829.2
52.5°	1054.7	1043.7	1100.1	1300.5	1523.3	1728.4	1737.6	1692.2	1531.3	1443.0	822.5
55°	852.0	838.4	900.0	1068.5	1396.4	1743.4	1858.2	1834.5	1592.5	1421.2	808.9
57.5°	517.5	504.1	594.6	765.3	1116.8	1618.5	1828.5	1852.6	1639.5	1397.4	800.0
60°	217.6	209.1	244.5	365.3	713.2	1330.2	1671.0	1731.1	1648.4	1364.6	803.7
62.5°	113.1	109.3	111.3	146.3	288.3	875.9	1390.8	1495.5	1559.0	1350.1	807.3
65°	84.9	82.0	75.7	80.4	112.0	378.7	999.5	1139.6	1365.1	1313.4	782.8
67.5°	69.7	67.0	62.4	61.0	66.1	131.4	510.3	692.3	1069.7	1156.8	695.2
70°	55.6	54.7	53.2	50.5	49.6	63.7	183.0	282.2	707.4	815.8	503.9
72.5°	46.3	46.5	44.9	42.5	39.3	41.1	72.9	96.5	342.3	391.2	211.1
75°	38.7	38.7	39.3	36.0	32.8	28.2	40.5	47.1	109.9	90.3	45.1
77.5°	30.4	30.8	33.1	30.4	26.2	17.7	22.1	25.2	32.6	26.1	16.5
80°	24.3	23.9	23.0	27.3	23.5	12.5	10.5	11.6	15.2	12.5	8.1
82.5°	17.0	16.8	16.1	18.5	18.3	9.2	6.9	7.1	9.2	8.0	5.1
85°	4.2	4.9	10.3	8.7	7.6	5.4	4.2	4.5	6.0	5.2	2.7
87.5°	1.8	1.8	4.7	5.6	3.6	2.4	1.8	2.0	3.1	3.1	1.6
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°	483.5	483.5	483.5	483.5	483.5	483.5	483.5	483.5	483.5	483.5	483.5
2.5°	485.1	473.3	458.5	442.7	426.6	407.3	395.0	384.8	376.9	370.7	368.5
5°	486.9	464.3	430.6	388.8	346.3	306.4	275.7	252.9	234.0	223.7	219.2
7.5°	486.7	456.7	395.9	325.8	256.7	199.3	158.6	133.4	116.6	109.7	105.5
10°	486.5	446.7	356.2	255.9	171.6	115.5	85.1	71.0	64.8	62.4	62.1
12.5°	491.8	435.3	311.9	188.4	107.7	71.9	59.2	55.9	54.5	53.8	53.6
15°	494.7	424.8	265.2	133.0	72.6	56.8	52.9	51.4	50.9	50.5	50.3
17.5°	497.8	408.5	220.8	96.3	58.1	51.6	49.2	48.3	48.0	48.0	48.0
20°	498.3	391.0	176.8	71.0	51.6	48.1	45.8	44.9	44.3	44.0	44.0
22.5°	494.3	370.2	139.0	57.6	47.8	44.9	42.4	40.9	40.0	39.8	39.8
25°	484.4	340.7	106.6	50.5	44.7	41.6	38.6	36.9	36.2	36.2	36.2
27.5°	470.1	305.9	82.4	44.9	40.7	37.6	34.9	33.5	33.3	33.1	33.3
30°	453.8	272.4	63.0	39.8	36.0	33.5	31.3	30.6	31.0	31.0	31.1
32.5°	437.5	238.9	49.2	35.8	31.9	29.7	28.6	28.6	29.1	29.1	29.1
35°	423.6	206.2	41.3	32.6	29.0	27.2	26.6	27.2	27.5	27.7	27.7
37.5°	415.8	177.9	36.4	29.7	26.6	25.2	25.0	25.5	26.2	26.8	27.0
40°	412.9	156.2	33.5	27.5	24.4	23.5	23.3	24.1	25.3	26.2	26.4
42.5°	413.1	137.0	31.0	25.3	23.0	21.7	21.7	22.8	24.1	25.0	25.0
45°	414.3	120.5	28.4	23.2	21.7	19.5	19.7	21.2	22.1	23.0	23.0
47.5°	415.4	107.3	25.7	20.8	18.8	17.7	18.1	19.2	20.5	21.9	21.9
50°	409.1	97.9	23.0	18.3	16.5	16.1	16.8	17.7	19.5	21.0	21.2
52.5°	393.9	89.4	20.6	16.3	14.8	15.0	15.9	16.5	17.9	18.1	18.3
55°	387.2	85.1	18.8	14.8	13.6	14.1	14.7	14.8	14.5	13.6	13.6
57.5°	385.7	82.2	17.0	13.4	12.5	13.2	13.0	11.9	10.9	9.8	9.6
60°	387.2	78.2	15.6	11.6	11.4	11.6	11.0	9.1	7.6	6.9	6.5
62.5°	378.8	72.4	14.3	10.0	10.0	9.8	8.3	6.2	4.9	4.3	4.2
65°	351.3	61.0	13.0	8.3	8.1	7.8	5.6	4.2	3.3	2.7	2.5
67.5°	297.2	47.2	11.8	6.9	6.5	5.4	3.6	2.7	1.8	1.6	1.4
70°	202.7	29.3	10.0	5.4	4.9	3.4	2.2	1.6	1.1	0.9	0.7
72.5°	73.5	17.0	8.3	4.2	3.3	2.2	1.3	0.7	0.5	0.5	0.4
75°	17.4	11.9	6.3	3.1	2.2	1.3	0.7	0.5	0.4	0.4	0.2
77.5°	8.0	9.2	4.2	1.8	1.4	0.9	0.5	0.4	0.2	0.2	0.0
80°	4.5	6.5	2.0	1.3	1.1	0.7	0.4	0.2	0.2	0.0	0.0
82.5°	2.4	3.6	1.4	1.1	0.9	0.5	0.4	0.0	0.0	0.0	0.0
85°	1.6	1.8	1.1	0.9	0.7	0.5	0.4	0.0	0.0	0.0	0.0
87.5°	1.3	1.3	1.1	0.9	0.7	0.5	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)