

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: P674703

Luminaire Tested: **CCP-SA-1B-740-U-T3R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674703
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1B-740-U-T3R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @450mA w/ T3R distribution lens and House Side Shield
Light Source: (16) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

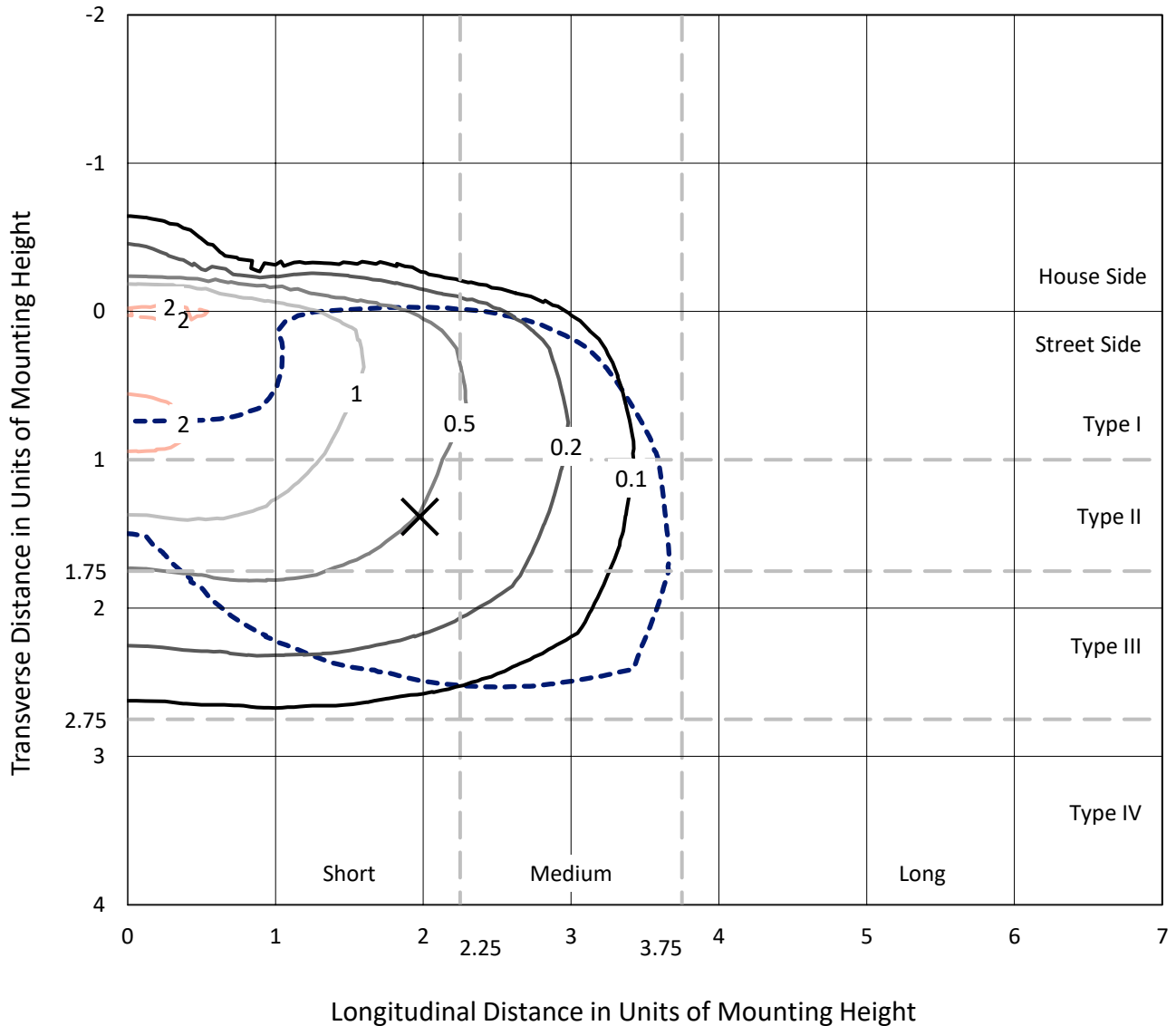
Lumens per Lamp: N/A
Luminaire Lumens: 2739 lumens
Efficiency: N/A
Efficacy: 114.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G1

Input Watts (W): 24
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

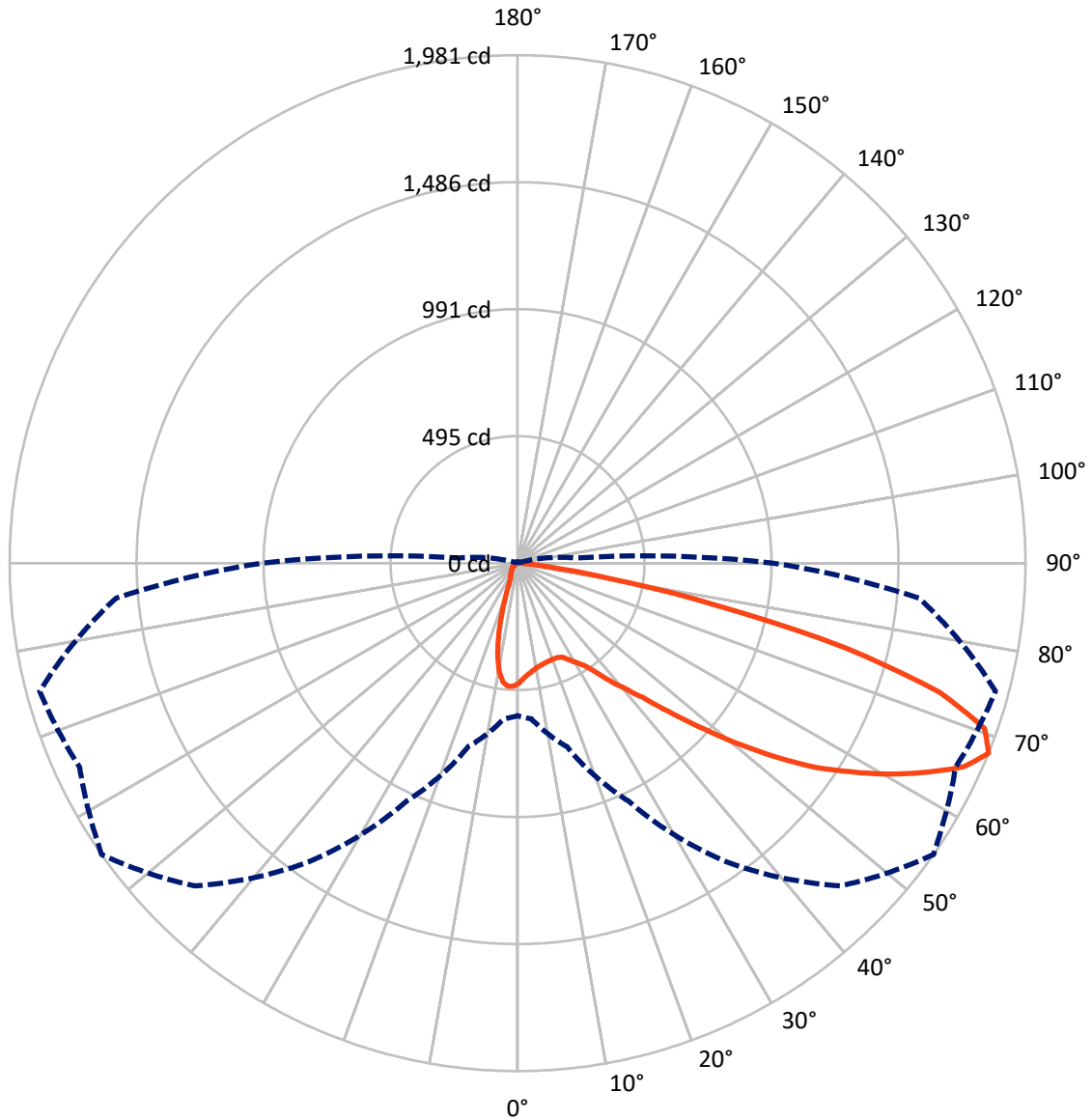
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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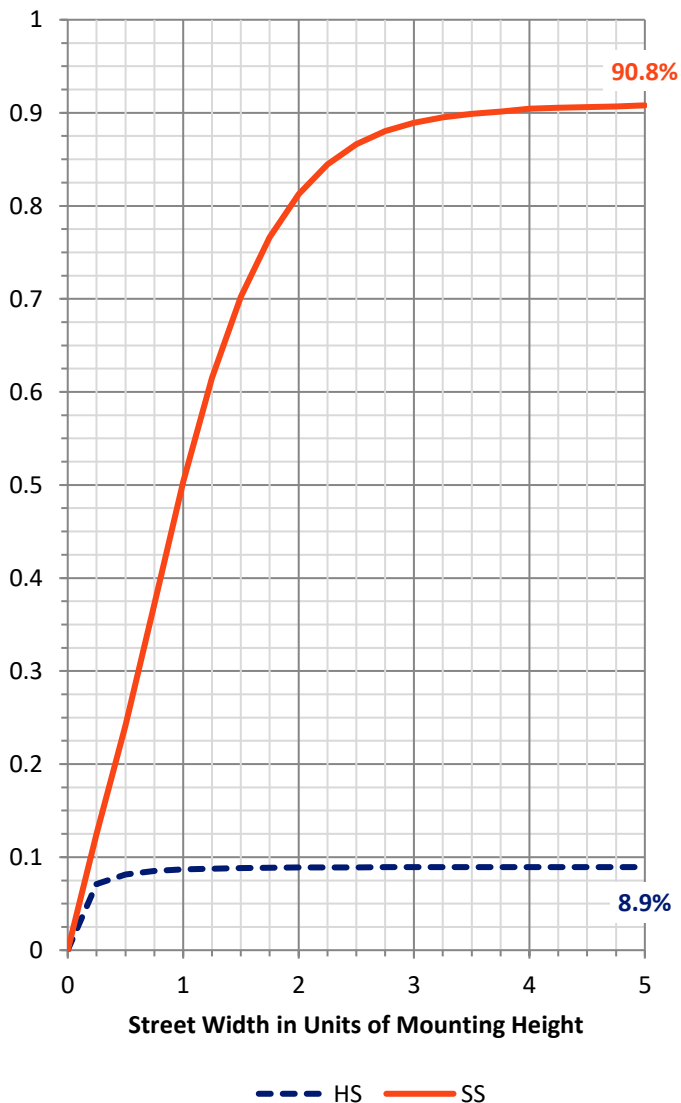
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	246.1	0.0	246.1
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	2493.0	0.0	2493.0
	% Fixture	91.0	0.0	91.0
Total	Lumens	2739.0	0.0	2739.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.2	1.5
10°-20°	93.8	3.4
20°-30°	150.5	5.5
30°-40°	261.0	9.5
40°-50°	435.2	15.9
50°-60°	636.4	23.2
60°-70°	742.0	27.1
70°-80°	360.1	13.1
80°-90°	18.8	0.7
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°	2739.0	100.0
0°-180°	2739.0	100.0



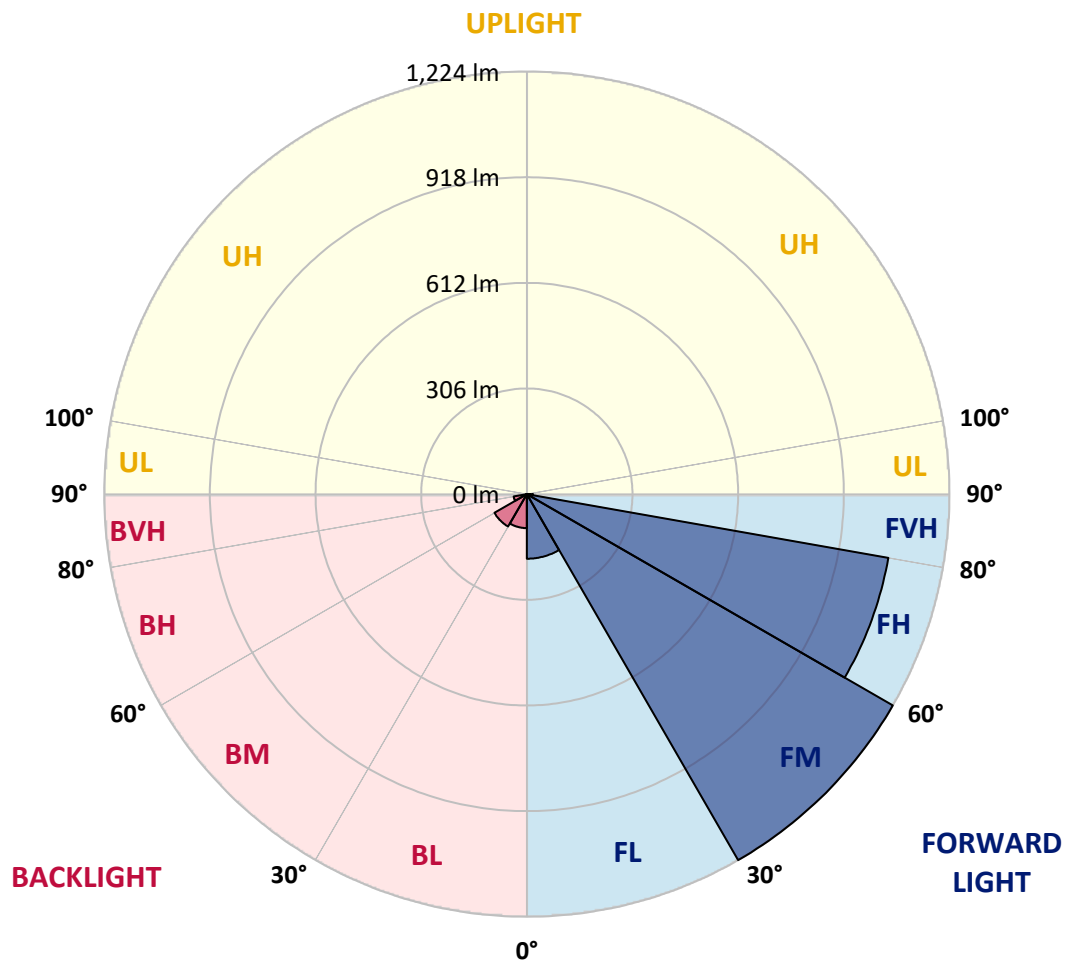
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	187.1	6.8			
FM (30°-60°)	1224.2	44.7			
FH (60°-80°)	1063.3	38.8			G1/1800
FVH (80°-90°)	18.3	0.7			G1/100
BL (0°-30°)	98.4	3.6	B0/110		
BM (30°-60°)	108.3	4.0	B0/220		
BH (60°-80°)	38.8	1.4	B0/110		G0/110
BVH (80°-90°)	0.6	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 Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	469.4	469.4	469.4	469.4	469.4	469.4	469.4	469.4	469.4	469.4	469.4
2.5°	433.3	436.1	439.6	440.9	445.2	451.2	449.5	448.2	455.0	464.3	467.4
5°	406.3	406.6	412.1	416.1	423.5	429.3	435.6	435.1	447.4	463.3	473.4
7.5°	379.8	380.3	386.1	392.4	403.0	414.4	424.0	423.5	443.4	464.6	483.8
10°	345.0	347.5	354.6	365.7	382.3	400.2	413.6	414.9	438.9	469.4	497.9
12.5°	317.0	318.2	326.0	340.4	360.1	383.6	408.6	407.8	439.9	478.2	516.3
15°	305.1	304.3	309.1	319.7	342.2	371.7	403.5	405.3	443.4	488.3	535.5
17.5°	307.9	307.1	309.6	313.4	329.3	361.9	400.7	403.8	448.9	498.9	553.4
20°	338.7	333.4	328.8	324.8	327.1	353.8	399.0	402.3	452.2	507.0	572.4
22.5°	398.0	391.4	379.3	356.8	341.9	354.3	399.5	403.8	459.5	520.1	595.3
25°	494.6	488.3	462.3	416.4	377.0	372.5	406.3	410.8	476.5	540.1	619.8
27.5°	622.6	608.4	576.9	511.0	435.1	401.5	426.7	431.8	500.4	555.4	636.5
30°	728.8	725.5	695.3	614.5	515.1	444.2	449.7	452.5	511.3	564.8	653.1
32.5°	839.1	832.3	804.5	726.0	607.9	505.0	475.4	476.7	525.4	578.7	677.3
35°	935.0	928.7	905.5	829.3	716.5	586.7	518.1	515.3	554.7	609.2	710.1
37.5°	1023.8	1023.1	1002.6	924.9	813.9	671.5	580.9	578.7	600.4	642.8	754.6
40°	1110.6	1108.6	1091.2	1020.3	909.8	756.1	640.7	634.9	639.2	689.7	813.1
42.5°	1163.9	1168.2	1174.2	1129.3	1023.6	855.2	716.5	712.9	712.2	763.1	890.1
45°	1192.7	1200.2	1235.8	1231.8	1144.2	978.7	824.2	815.1	812.1	864.1	978.1
47.5°	1220.7	1223.9	1282.2	1306.7	1259.8	1107.4	954.4	941.8	929.4	987.2	1083.4
50°	1222.4	1227.7	1299.9	1359.5	1356.7	1234.0	1100.5	1089.4	1075.3	1137.1	1186.1
52.5°	1197.7	1208.3	1297.6	1392.8	1416.8	1345.8	1252.2	1243.1	1231.5	1277.7	1272.7
55°	1026.9	1044.8	1253.2	1395.8	1458.9	1441.7	1404.6	1392.0	1380.7	1413.5	1357.4
57.5°	945.6	955.7	1118.5	1393.5	1512.6	1530.6	1536.9	1531.1	1515.2	1556.1	1446.0
60°	896.9	911.5	1054.1	1368.3	1570.7	1631.0	1670.6	1659.0	1639.6	1695.9	1540.9
62.5°	838.6	849.2	990.0	1295.6	1605.3	1733.2	1796.0	1785.4	1745.3	1824.8	1617.6
65°	731.1	747.0	888.1	1181.3	1558.8	1808.2	1914.2	1910.6	1841.0	1922.2	1638.6
67.5°	595.1	609.5	740.9	1024.6	1423.1	1780.2	1981.0	1969.9	1884.4	1929.5	1572.2
70°	446.7	454.5	553.7	782.8	1165.9	1630.5	1932.6	1930.3	1818.5	1821.0	1368.6
72.5°	239.7	261.4	368.2	523.9	819.9	1320.6	1722.4	1713.3	1622.4	1491.4	984.2
75°	83.8	90.1	196.1	294.3	445.4	879.7	1324.4	1303.2	1213.3	970.1	536.3
77.5°	51.5	56.5	87.1	150.4	173.4	381.8	795.7	768.2	710.1	419.4	183.2
80°	35.6	40.1	58.3	78.7	59.1	123.7	366.2	355.8	273.8	99.9	42.1
82.5°	19.9	24.0	44.2	38.6	23.7	32.0	126.9	117.6	72.9	27.0	14.1
85°	11.6	13.9	31.0	27.3	12.1	11.4	33.1	29.5	18.9	10.1	6.8
87.5°	6.1	7.8	22.7	18.2	7.3	4.0	7.6	7.3	4.8	3.5	4.5
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°	469.4	469.4	469.4	469.4	469.4	469.4	469.4	469.4	469.4	469.4	469.4
2.5°	472.9	471.7	478.2	480.5	480.0	479.0	481.5	478.2	478.0	477.2	476.5
5°	481.5	483.5	488.8	488.8	481.8	470.1	463.1	453.5	445.4	440.6	439.9
7.5°	494.4	498.4	501.9	491.1	466.9	438.1	407.6	383.6	362.6	351.8	350.8
10°	512.5	516.3	513.6	482.5	430.5	371.0	321.3	271.3	246.3	232.7	232.7
12.5°	534.2	537.3	520.4	461.1	370.7	284.4	218.0	165.5	140.6	124.4	123.4
15°	557.7	558.5	519.4	423.7	296.8	191.0	125.2	91.9	81.3	79.0	78.5
17.5°	578.2	575.1	508.8	368.4	213.7	113.8	79.5	71.9	69.9	69.9	69.9
20°	597.3	587.2	487.6	304.1	137.0	77.5	68.4	66.4	66.4	66.6	66.6
22.5°	618.5	598.6	457.3	232.7	88.1	66.4	64.1	63.1	62.8	63.6	63.3
25°	643.5	609.7	413.9	160.8	68.1	61.8	60.8	59.8	59.8	59.8	59.8
27.5°	657.4	608.2	364.4	101.4	59.6	57.3	56.3	55.3	54.5	54.3	54.5
30°	669.5	599.4	299.8	70.9	53.8	51.2	50.5	49.2	47.7	47.2	47.2
32.5°	685.4	592.0	232.2	57.0	48.7	45.9	43.7	41.6	39.1	38.1	37.9
35°	703.1	578.7	170.1	50.2	44.2	40.6	37.1	33.8	30.5	29.5	29.3
37.5°	725.0	566.5	115.3	46.4	40.4	36.1	31.3	26.8	23.7	23.2	23.2
40°	754.8	556.5	79.7	43.2	36.8	31.8	26.0	21.2	19.2	18.7	18.7
42.5°	795.4	548.1	60.3	40.4	33.8	27.5	20.9	17.4	15.9	15.4	15.4
45°	843.4	535.3	51.0	37.9	30.8	23.2	17.4	14.6	13.9	13.9	13.9
47.5°	898.4	519.1	46.4	35.3	27.5	18.9	14.6	13.4	13.1	13.1	13.4
50°	953.9	499.9	43.2	32.3	23.7	16.2	13.4	12.6	12.6	12.9	12.9
52.5°	991.5	469.9	39.9	29.0	19.9	14.1	12.6	12.4	12.1	12.1	12.1
55°	1028.1	443.6	35.3	25.5	16.7	13.1	12.1	11.9	11.9	11.6	11.6
57.5°	1066.2	423.0	29.5	21.2	14.1	12.4	11.6	11.6	11.1	10.9	10.9
60°	1110.4	404.8	22.7	16.7	12.4	11.6	10.9	10.6	10.1	9.6	9.6
62.5°	1123.3	366.4	17.2	13.4	10.6	10.1	9.8	9.3	8.1	7.1	7.3
65°	1089.7	306.1	13.6	10.6	8.6	8.6	7.8	6.6	5.3	4.5	4.5
67.5°	997.1	228.6	11.1	8.3	6.8	6.6	5.6	4.8	3.3	2.8	2.8
70°	821.7	151.2	9.1	6.6	5.6	4.5	3.8	3.5	2.5	2.0	2.0
72.5°	575.9	82.0	7.6	5.3	4.0	3.0	2.5	2.3	1.8	1.5	1.3
75°	304.1	31.5	6.1	4.0	2.5	2.0	1.5	1.5	1.3	1.0	1.0
77.5°	104.2	13.4	4.3	2.3	1.8	1.3	1.0	0.8	1.0	0.8	0.8
80°	24.7	7.8	2.8	1.5	1.0	0.8	0.8	0.5	0.5	0.5	0.5
82.5°	10.9	4.5	1.8	1.0	1.0	0.8	0.5	0.3	0.3	0.3	0.3
85°	7.3	2.8	1.3	1.0	0.8	0.5	0.3	0.3	0.0	0.0	0.0
87.5°	5.8	1.8	1.0	1.0	0.8	0.5	0.3	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)