

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: P676395

Luminaire Tested: **CCW-SA-2E-727-U-T3-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676395
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2E-727-U-T3-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @1050mA w/
T3 distribution lens and House Side Shield
Light Source: (32) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

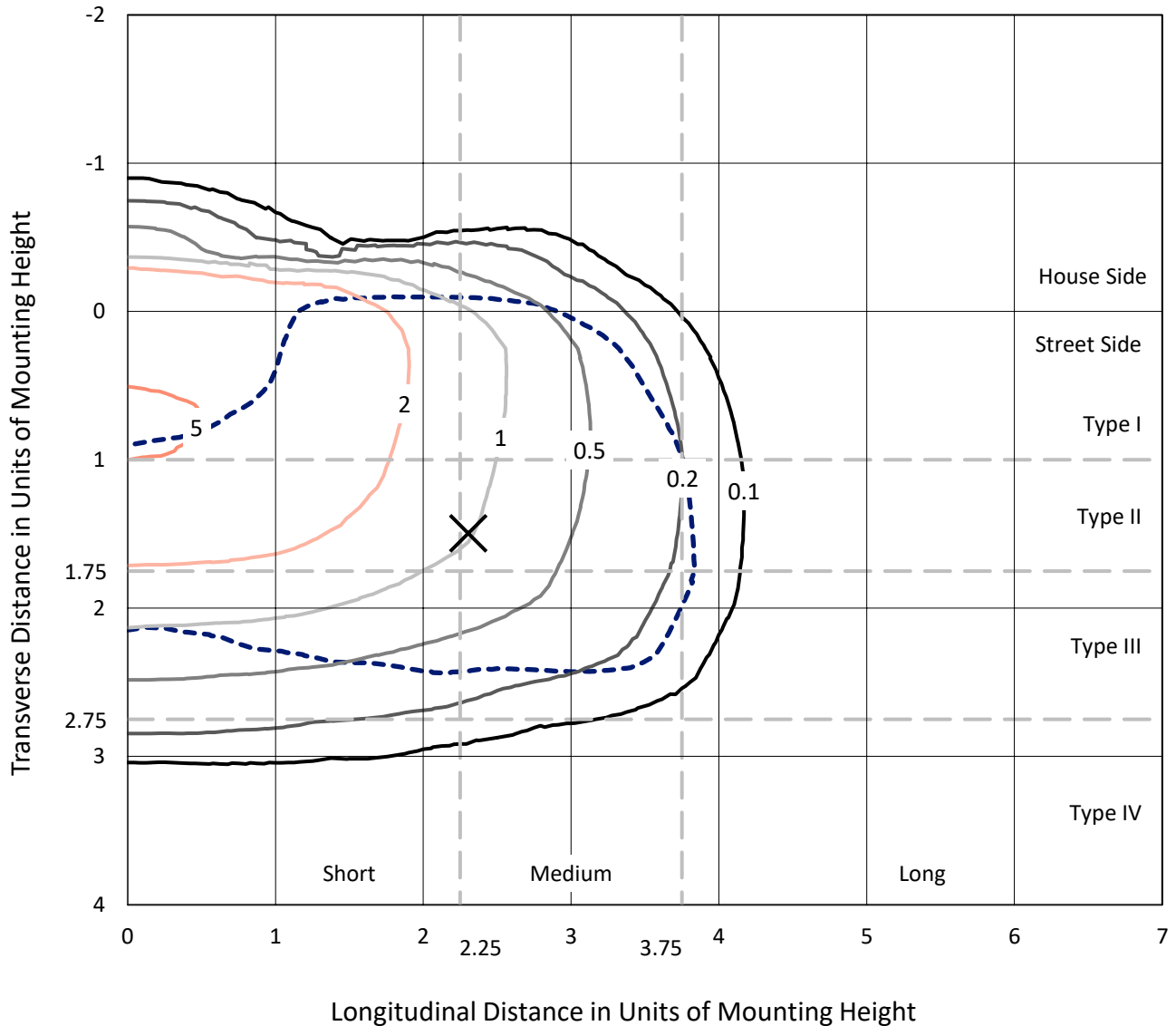
Lumens per Lamp: N/A
Luminaire Lumens: 8237.7 lumens
Efficiency: N/A
Efficacy: 77.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 106.6
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

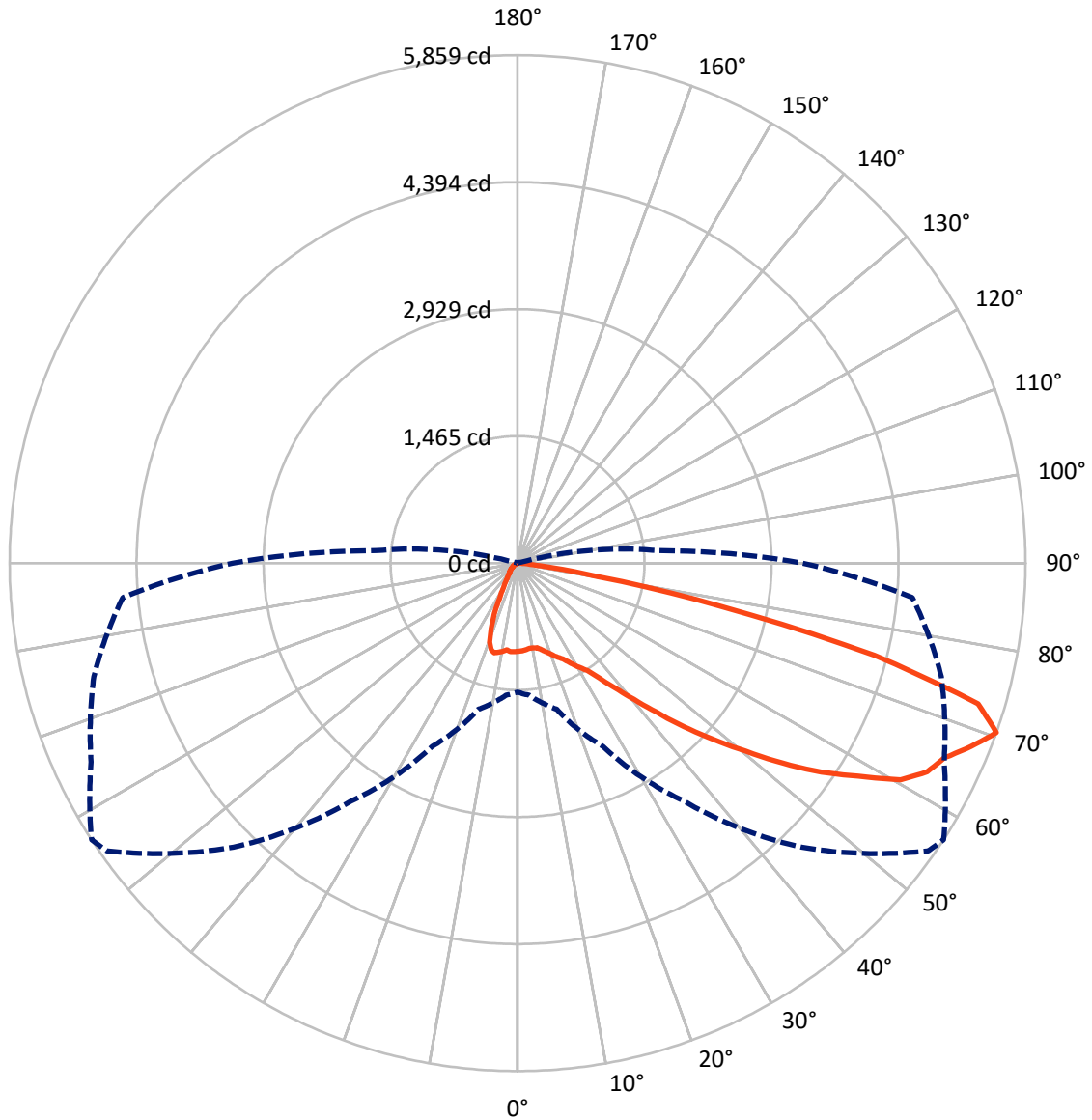
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.8 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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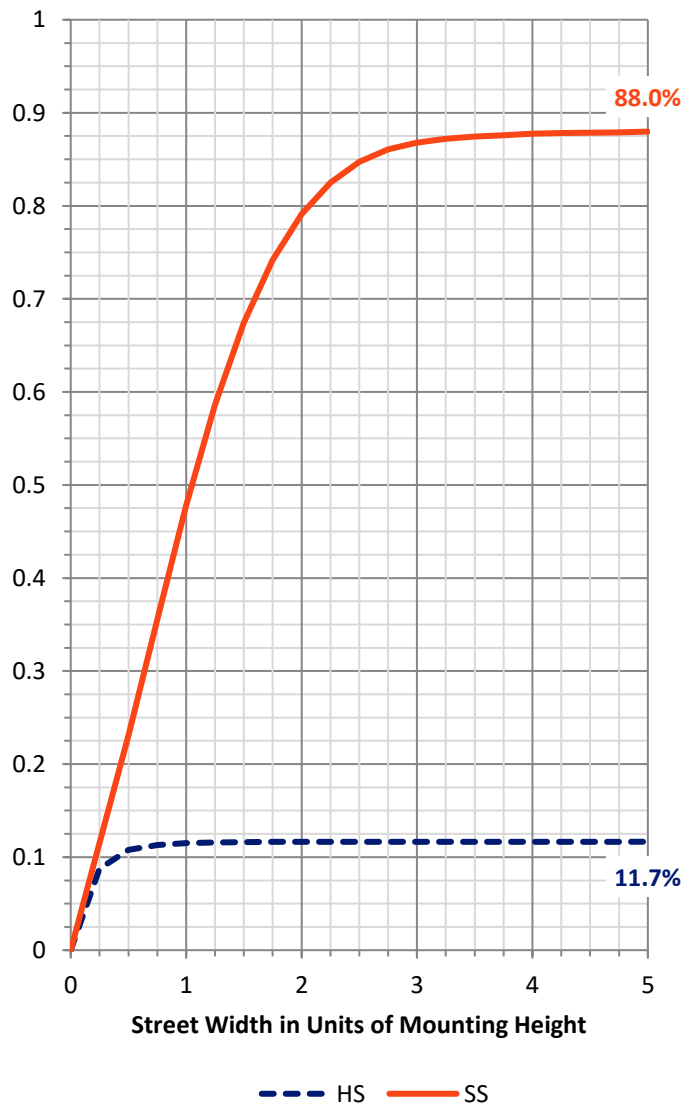
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	971.0	0.0	971.0
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	7266.7	0.0	7266.7
	% Fixture	88.2	0.0	88.2
Total	Lumens	8237.7	0.0	8237.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.0	1.2
10°-20°	265.6	3.2
20°-30°	447.3	5.4
30°-40°	765.6	9.3
40°-50°	1285.5	15.6
50°-60°	1973.3	24.0
60°-70°	2278.2	27.7
70°-80°	1076.2	13.1
80°-90°	51.1	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°	8237.7	100.0
0°-180°	8237.7	100.0



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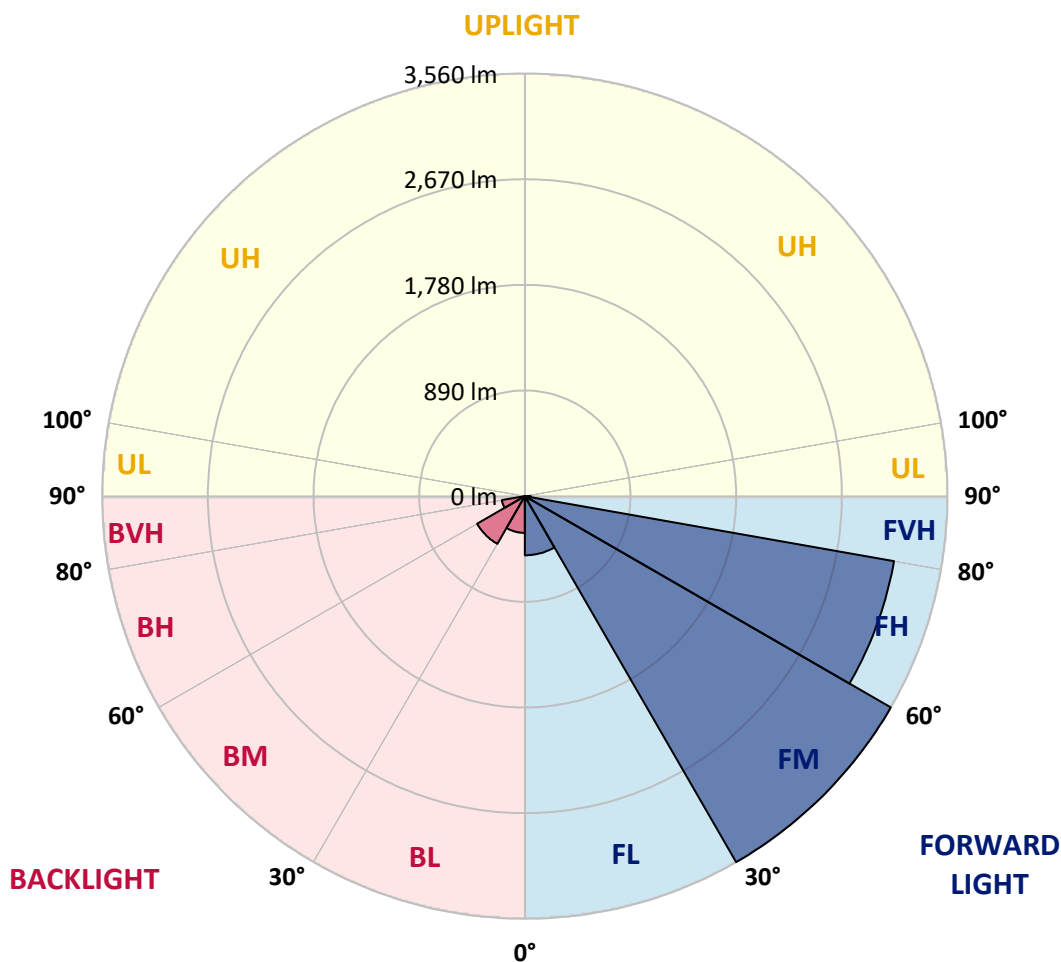
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	498.4	6.0			
FM (30°-60°)	3560.2	43.2			
FH (60°-80°)	3158.0	38.3			G2/5000
FVH (80°-90°)	50.1	0.6			G1/100
BL (0°-30°)	309.6	3.8	B1/500		
BM (30°-60°)	464.1	5.6	B1/1000		
BH (60°-80°)	196.4	2.4	B1/500		G1/500
BVH (80°-90°)	0.9	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4
2.5°	1001.7	995.4	1001.7	1010.1	1001.7	1008.0	1005.9	1012.2	1003.8	1003.8	1010.1
5°	936.5	947.0	951.2	961.7	972.2	991.2	1003.8	1003.8	1016.4	1022.7	1031.2
7.5°	913.3	896.5	913.3	921.7	932.3	963.8	982.8	991.2	1008.0	1031.2	1043.8
10°	879.6	892.3	892.3	919.6	934.4	953.3	987.0	993.3	1031.2	1054.3	1066.9
12.5°	877.5	877.5	888.1	907.0	936.5	972.2	1014.3	1001.7	1041.7	1083.8	1104.8
15°	883.9	898.6	898.6	923.8	947.0	997.5	1033.3	1035.4	1092.2	1134.3	1153.2
17.5°	911.2	904.9	913.3	928.0	963.8	1012.2	1071.1	1077.5	1142.7	1199.5	1226.9
20°	968.0	978.6	965.9	957.5	972.2	1035.4	1111.1	1123.8	1197.4	1252.1	1279.5
22.5°	1180.6	1172.2	1121.7	1062.7	1037.5	1066.9	1149.0	1178.5	1264.8	1330.0	1353.1
25°	1420.5	1405.7	1346.8	1258.4	1142.7	1130.1	1224.8	1224.8	1348.9	1420.5	1414.2
27.5°	1647.8	1643.5	1574.1	1481.5	1317.4	1226.9	1285.8	1308.9	1443.6	1502.5	1475.2
30°	1879.2	1883.4	1820.3	1708.8	1536.2	1382.6	1372.1	1391.0	1515.2	1607.8	1551.0
32.5°	2148.6	2110.7	2066.5	1912.9	1755.1	1582.5	1483.6	1475.2	1595.1	1679.3	1603.6
35°	2388.5	2365.4	2317.0	2178.1	1997.1	1790.9	1652.0	1630.9	1696.2	1807.7	1725.6
37.5°	2598.9	2575.8	2512.7	2420.1	2279.1	2049.7	1854.0	1822.4	1849.8	1967.6	1868.7
40°	2779.9	2786.2	2769.4	2678.9	2548.4	2340.1	2114.9	2064.4	2041.3	2146.5	2035.0
42.5°	2910.4	2971.4	2975.6	2864.1	2758.9	2645.2	2392.7	2352.7	2298.0	2386.4	2308.5
45°	3184.0	3150.3	3171.3	3131.4	3015.6	2998.8	2712.6	2689.4	2613.7	2643.1	2561.1
47.5°	3398.6	3392.3	3432.3	3367.1	3335.5	3337.6	3076.6	3036.7	2929.3	2984.1	2891.5
50°	3522.8	3489.1	3634.3	3684.8	3678.5	3703.8	3444.9	3411.2	3308.1	3388.1	3190.3
52.5°	3552.2	3613.3	3750.1	3933.1	4011.0	4063.6	3846.9	3834.2	3722.7	3773.2	3499.6
55°	3625.9	3684.8	3764.8	4065.7	4354.0	4366.7	4242.5	4255.1	4156.2	4143.6	3794.3
57.5°	3623.8	3611.2	3832.1	4181.5	4581.3	4762.3	4694.9	4633.9	4526.6	4402.4	3983.6
60°	3491.2	3484.9	3714.3	4196.2	4705.5	5120.0	5147.4	5075.8	4806.5	4623.4	4206.7
62.5°	3228.2	3253.4	3484.9	4069.9	4823.3	5248.4	5349.4	5301.0	4966.4	4770.7	4469.8
65°	2927.2	2874.6	3144.0	3754.3	4558.2	5210.5	5429.4	5412.5	5155.8	4930.6	4711.8
67.5°	2348.5	2371.7	2577.9	3230.3	4105.7	5071.6	5616.7	5641.9	5307.3	5071.6	4785.4
70°	1487.8	1529.9	1744.6	2333.8	3352.3	4633.9	5785.0	5858.7	5427.3	5059.0	4570.8
72.5°	433.5	450.3	742.9	1163.7	2136.0	3716.4	5515.7	5553.5	5193.7	4591.8	3535.4
75°	143.1	151.5	218.9	378.8	837.6	1921.3	4074.1	4253.0	4133.1	3329.2	2022.3
77.5°	94.7	98.9	120.0	181.0	317.8	601.9	2184.4	2375.9	2329.6	1559.4	652.4
80°	69.4	71.5	88.4	122.1	193.6	216.8	806.0	932.3	900.7	357.7	130.5
82.5°	44.2	44.2	65.2	86.3	122.1	107.3	233.6	258.8	252.5	136.8	50.5
85°	29.5	31.6	48.4	67.3	67.3	50.5	67.3	77.9	84.2	73.7	23.1
87.5°	8.4	10.5	27.4	46.3	27.4	25.3	23.1	25.3	29.5	40.0	12.6
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°	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4
2.5°	1016.4	1024.8	1022.7	1027.0	1020.6	1014.3	1020.6	1020.6	1020.6	1014.3	1010.1
5°	1024.8	1020.6	1024.8	1016.4	1024.8	1016.4	1012.2	999.6	997.5	997.5	1005.9
7.5°	1037.5	1041.7	1022.7	1022.7	1003.8	1008.0	997.5	999.6	995.4	989.1	984.9
10°	1056.4	1073.2	1054.3	1048.0	1027.0	1010.1	984.9	972.2	972.2	963.8	972.2
12.5°	1109.0	1102.7	1092.2	1071.1	1045.9	1012.2	951.2	890.2	839.7	801.8	820.7
15°	1151.1	1149.0	1134.3	1094.3	1060.6	957.5	803.9	646.1	561.9	524.0	517.7
17.5°	1216.3	1210.0	1184.8	1132.2	1020.6	793.4	551.4	418.8	336.7	317.8	311.5
20°	1277.4	1275.3	1220.6	1153.2	919.6	578.7	359.9	275.7	252.5	254.6	250.4
22.5°	1342.6	1332.1	1266.9	1128.0	732.3	385.1	256.7	246.2	237.8	235.7	239.9
25°	1416.3	1378.4	1313.2	1071.1	538.7	265.2	242.0	233.6	225.2	223.1	223.1
27.5°	1445.7	1420.5	1334.2	934.4	340.9	231.5	227.3	216.8	206.2	199.9	197.8
30°	1513.1	1471.0	1355.2	734.4	242.0	212.5	206.2	193.6	178.9	168.4	168.4
32.5°	1580.4	1529.9	1357.3	513.5	202.0	191.5	181.0	164.1	145.2	134.7	136.8
35°	1664.6	1595.1	1334.2	332.5	181.0	168.4	147.3	128.4	111.5	103.1	103.1
37.5°	1807.7	1742.5	1239.5	218.9	164.1	143.1	122.1	101.0	86.3	80.0	80.0
40°	1988.7	1904.5	1109.0	172.6	145.2	122.1	96.8	77.9	69.4	63.1	63.1
42.5°	2205.4	2100.2	915.4	153.6	128.4	101.0	75.8	61.0	52.6	52.6	50.5
45°	2422.2	2249.6	717.6	141.0	113.6	84.2	58.9	48.4	44.2	42.1	42.1
47.5°	2731.5	2430.6	513.5	128.4	98.9	65.2	48.4	40.0	35.8	33.7	35.8
50°	3028.2	2601.1	364.1	115.7	82.1	52.6	40.0	35.8	31.6	29.5	29.5
52.5°	3289.2	2718.9	254.6	101.0	69.4	44.2	35.8	31.6	29.5	27.4	27.4
55°	3432.3	2678.9	174.7	86.3	56.8	37.9	31.6	27.4	25.3	23.1	23.1
57.5°	3579.6	2567.4	132.6	71.5	46.3	35.8	29.5	25.3	23.1	21.0	21.0
60°	3703.8	2485.3	103.1	56.8	37.9	29.5	25.3	21.0	18.9	16.8	14.7
62.5°	3710.1	2321.2	75.8	42.1	29.5	25.3	21.0	16.8	10.5	8.4	6.3
65°	3735.3	2148.6	54.7	31.6	21.0	18.9	14.7	8.4	4.2	0.0	0.0
67.5°	3646.9	1944.5	44.2	23.1	14.7	10.5	6.3	2.1	0.0	0.0	0.0
70°	3287.1	1641.4	33.7	16.8	10.5	6.3	2.1	0.0	0.0	0.0	0.0
72.5°	2352.7	1066.9	23.1	12.6	4.2	2.1	0.0	0.0	0.0	0.0	0.0
75°	1254.2	454.6	16.8	8.4	2.1	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	393.5	115.7	10.5	4.2	2.1	0.0	0.0	0.0	0.0	0.0	0.0
80°	86.3	31.6	6.3	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	29.5	12.6	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	10.5	4.2	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.2	2.1	2.1	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)