

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: P672086

Luminaire Tested: **CCP-SA-2D-727-U-T2R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672086
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2D-727-U-T2R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ T2R distribution lens
Light Source: (32) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

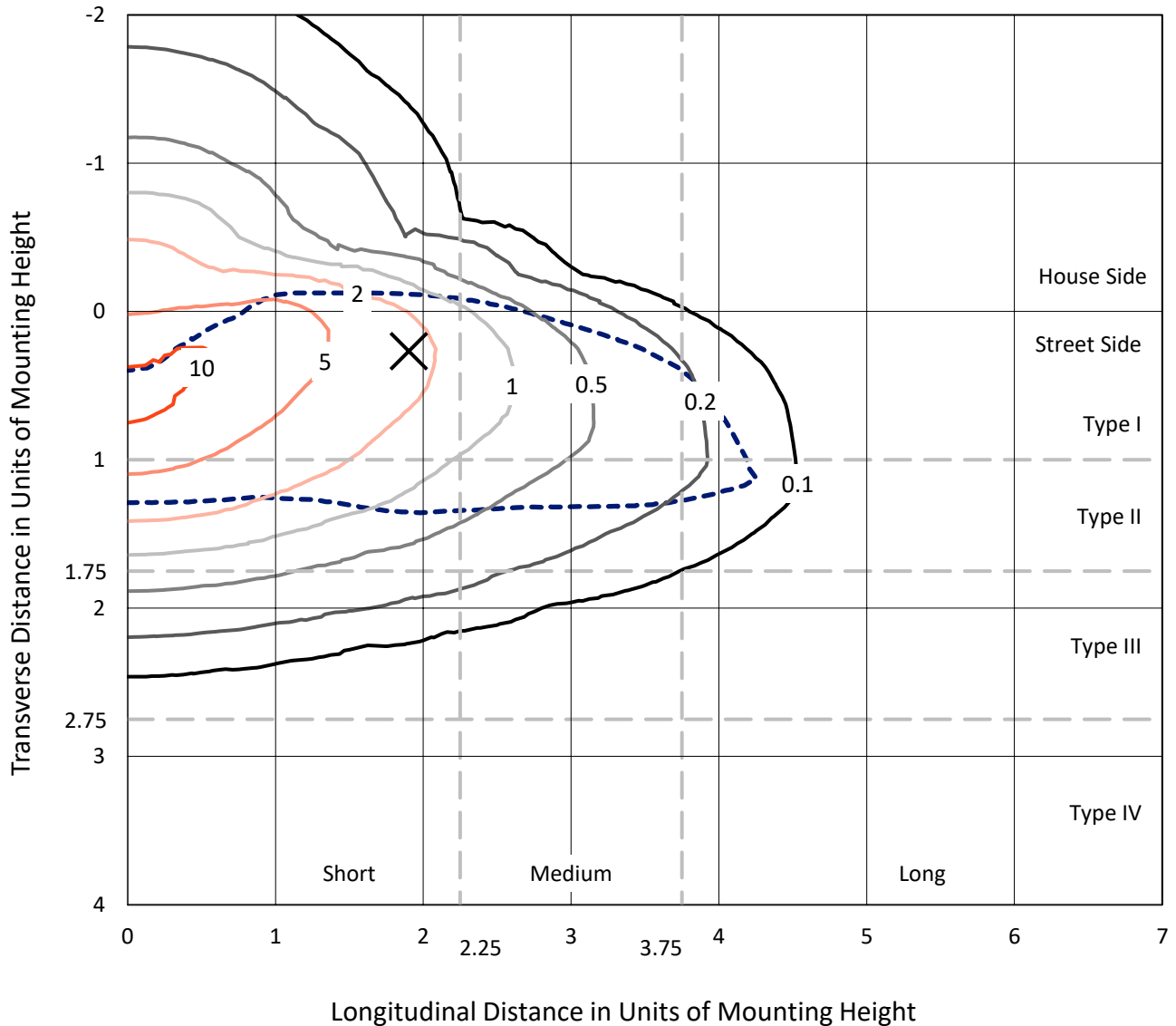
Lumens per Lamp: N/A
Luminaire Lumens: 9474.1 lumens
Efficiency: N/A
Efficacy: 117.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 80.8
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

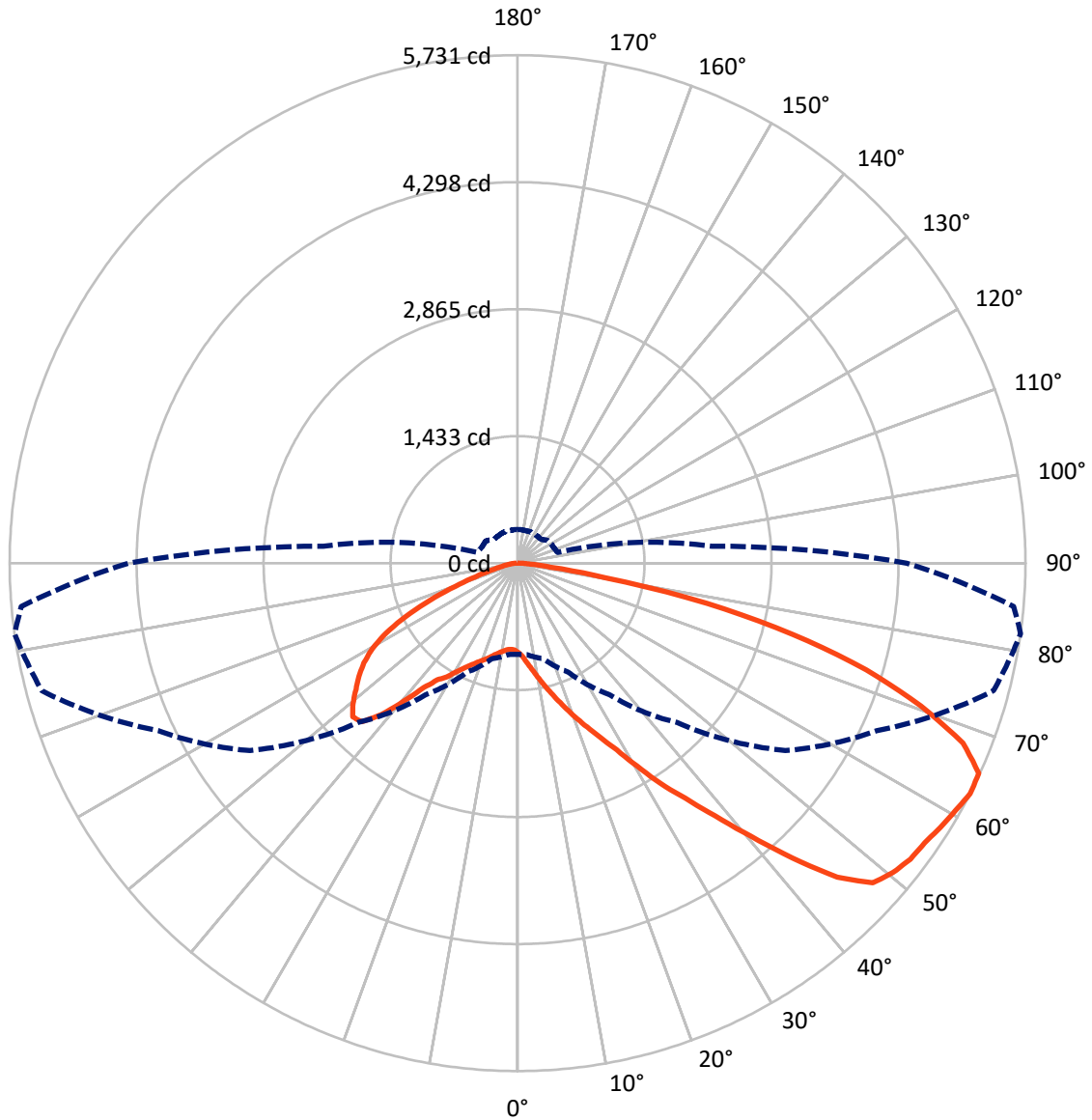
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 11.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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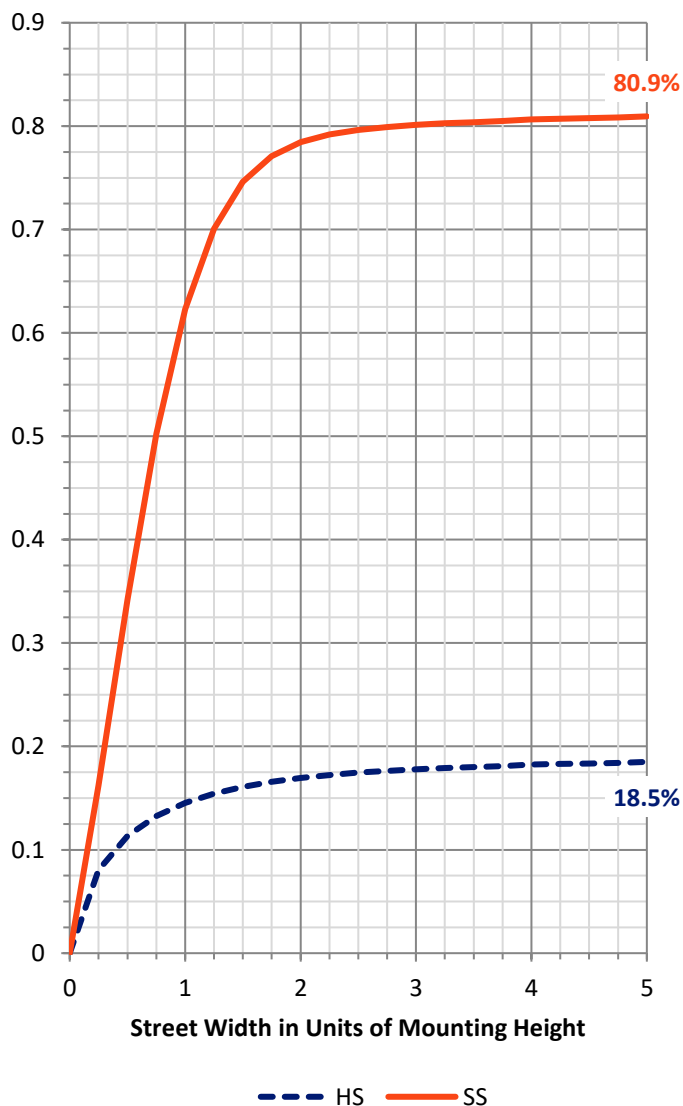
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1784.9	0.0	1784.9
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	7689.2	0.0	7689.2
	% Fixture	81.2	0.0	81.2
Total	Lumens	9474.1	0.0	9474.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.5	1.2
10°-20°	420.5	4.4
20°-30°	870.8	9.2
30°-40°	1478.1	15.6
40°-50°	2012.8	21.2
50°-60°	2037.4	21.5
60°-70°	1605.7	16.9
70°-80°	791.0	8.3
80°-90°	146.3	1.5
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°	9474.1	100.0
0°-180°	9474.1	100.0



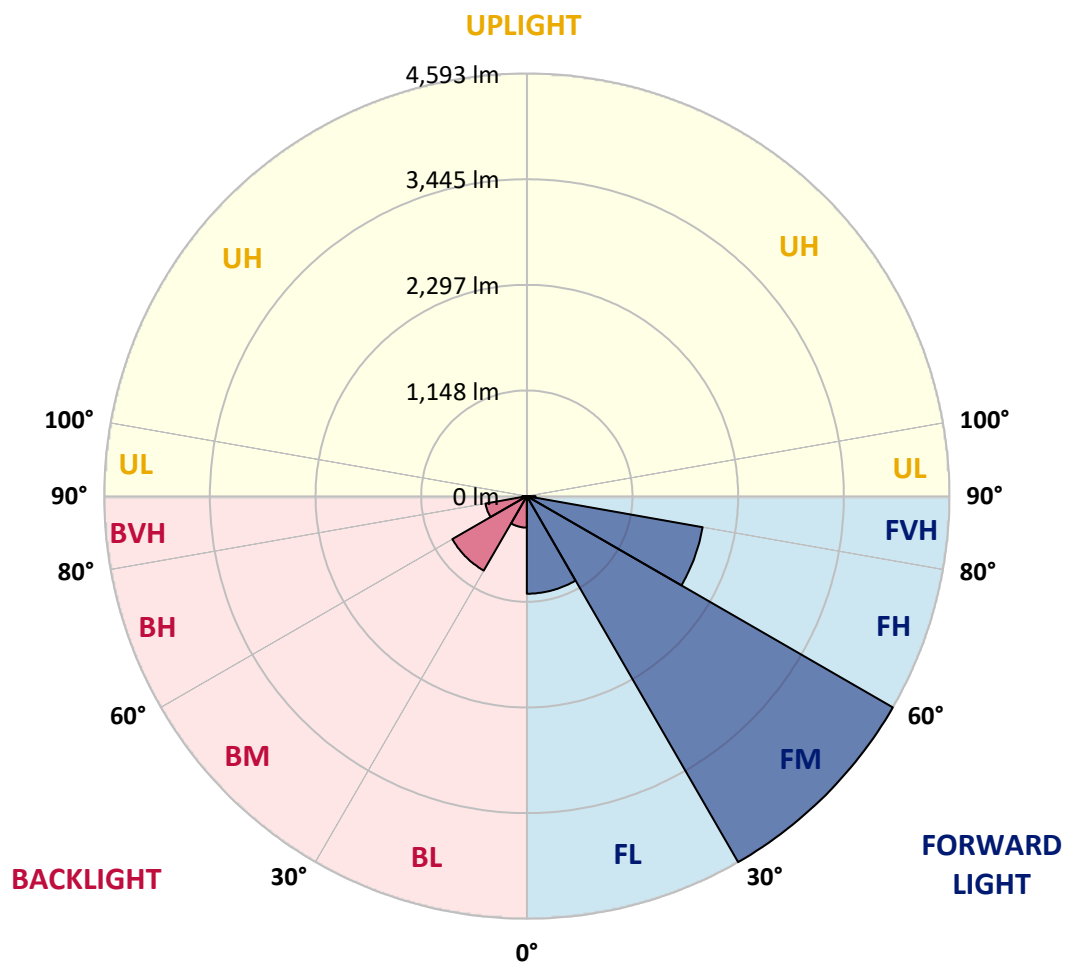
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1060.4	11.2			
FM (30°-60°)	4593.4	48.5			
FH (60°-80°)	1940.4	20.5			G2/5000
FVH (80°-90°)	95.1	1.0			G1/100
BL (0°-30°)	342.5	3.6	B1/500		
BM (30°-60°)	934.9	9.9	B1/1000		
BH (60°-80°)	456.3	4.8	B1/500		G1/500
BVH (80°-90°)	51.3	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	1007.5	1007.5	1007.5	1007.5	1007.5	1007.5	1007.5	1007.5	1007.5	1007.5	1007.5
2.5°	1341.7	1321.3	1310.4	1298.1	1264.0	1242.2	1201.2	1153.5	1098.2	1051.2	1042.3
5°	1624.8	1604.4	1607.1	1577.1	1527.3	1480.9	1404.5	1314.5	1209.4	1128.9	1101.0
7.5°	1824.7	1802.2	1807.6	1795.4	1755.1	1704.0	1607.1	1491.1	1337.7	1218.3	1173.3
10°	1958.4	1961.1	1965.2	1960.4	1934.5	1898.4	1802.2	1673.9	1482.9	1324.0	1262.6
12.5°	2109.8	2117.3	2116.0	2118.0	2104.4	2075.7	1981.6	1860.8	1637.8	1437.9	1358.1
15°	2302.9	2295.4	2301.5	2310.4	2295.4	2264.0	2180.8	2037.5	1800.1	1564.8	1465.9
17.5°	2514.3	2498.6	2515.0	2506.1	2495.2	2474.8	2383.4	2230.6	1967.9	1701.9	1586.0
20°	2697.1	2686.9	2695.8	2697.1	2699.2	2695.1	2601.0	2438.6	2143.9	1851.3	1715.6
22.5°	2902.5	2897.7	2896.3	2897.0	2899.1	2903.8	2839.7	2666.4	2339.0	2008.2	1855.4
25°	3189.6	3184.9	3153.5	3118.7	3098.2	3113.2	3079.8	2925.0	2554.6	2184.2	2008.9
27.5°	3511.6	3504.1	3462.5	3374.5	3309.0	3319.9	3316.5	3210.1	2802.9	2386.1	2193.0
30°	3845.8	3827.4	3770.1	3646.7	3543.7	3524.6	3534.1	3498.6	3115.3	2654.2	2449.5
32.5°	4143.9	4109.8	4034.1	3909.3	3786.5	3731.2	3732.6	3748.3	3455.0	2966.6	2718.3
35°	4326.1	4303.6	4246.9	4120.7	3983.6	3946.8	3936.6	4015.0	3766.7	3255.8	2959.1
37.5°	4424.3	4402.5	4341.8	4240.1	4136.4	4121.4	4140.5	4261.9	4120.7	3616.7	3286.5
40°	4406.6	4383.4	4343.8	4272.9	4204.6	4216.2	4300.8	4488.4	4507.5	4048.4	3753.1
42.5°	4260.6	4236.0	4232.6	4227.8	4195.8	4246.9	4399.7	4654.2	4862.9	4547.1	4317.9
45°	4002.7	3987.7	4005.5	4087.3	4127.6	4226.5	4446.1	4734.7	5175.3	5053.9	4852.0
47.5°	3676.0	3667.1	3707.4	3837.0	3967.3	4163.7	4476.8	4756.5	5390.2	5390.2	5201.9
50°	3310.4	3307.0	3360.2	3548.4	3752.4	4048.4	4473.4	4777.0	5484.3	5489.1	5325.4
52.5°	2800.1	2817.9	2959.8	3208.1	3485.0	3867.7	4425.7	4834.3	5537.5	5548.4	5407.9
55°	2212.1	2229.2	2443.4	2777.6	3132.3	3648.0	4283.1	4817.2	5547.8	5572.3	5455.0
57.5°	1766.0	1769.4	1903.1	2300.1	2739.4	3367.0	4118.7	4704.0	5517.7	5624.8	5527.3
60°	1382.0	1392.9	1482.3	1796.7	2283.8	3004.8	3935.2	4592.1	5534.8	5674.6	5592.8
62.5°	1029.3	1032.1	1115.3	1358.8	1814.5	2543.0	3686.2	4472.7	5558.7	5730.6	5619.4
65°	670.5	669.9	750.3	970.0	1355.4	2044.3	3295.4	4285.8	5560.7	5718.3	5497.3
67.5°	426.3	429.1	463.8	602.3	907.2	1543.0	2763.3	3938.6	5463.9	5420.9	5052.5
70°	345.8	346.5	357.4	393.6	552.5	1054.6	2077.1	3395.6	5157.6	4828.1	4391.6
72.5°	308.3	309.0	314.5	318.6	368.3	633.7	1362.9	2757.2	4613.2	4115.3	3643.3
75°	276.9	276.9	280.4	276.3	302.2	397.7	773.5	2073.0	3799.5	3204.6	2752.4
77.5°	242.8	242.2	242.2	240.1	261.3	290.6	387.4	1446.8	2736.7	2185.5	1785.1
80°	206.0	204.6	206.7	205.3	225.8	220.3	225.8	892.9	1483.6	1002.0	759.9
82.5°	160.3	160.3	166.4	167.8	186.2	159.6	158.9	423.6	563.4	374.5	280.4
85°	83.9	94.1	126.9	132.3	140.5	100.3	116.6	197.8	225.8	143.2	102.3
87.5°	25.2	26.6	77.8	87.3	86.6	50.5	71.6	95.5	105.7	63.4	41.6
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°	1007.5	1007.5	1007.5	1007.5	1007.5	1007.5	1007.5	1007.5	1007.5	1007.5	1007.5
2.5°	1019.8	995.9	945.4	900.4	866.3	833.6	811.1	799.5	784.4	786.5	781.7
5°	1051.2	1002.0	912.7	840.4	792.0	755.1	732.6	721.0	710.1	704.6	708.7
7.5°	1098.2	1021.8	897.0	809.7	759.2	727.8	715.6	712.1	709.4	707.4	710.8
10°	1158.9	1056.6	894.3	798.8	752.4	733.3	728.5	726.5	723.7	721.0	723.1
12.5°	1221.0	1094.8	903.8	801.5	763.3	749.0	742.8	740.1	733.3	729.9	730.6
15°	1298.8	1141.2	916.8	812.4	777.6	759.2	751.0	743.5	732.6	727.8	729.9
17.5°	1382.0	1196.5	934.5	822.6	783.1	760.6	744.2	733.3	722.4	715.6	716.2
20°	1476.1	1251.0	950.2	826.1	780.4	749.0	729.2	716.2	701.9	694.4	692.4
22.5°	1573.7	1308.3	962.5	823.3	765.3	729.2	706.7	691.0	673.9	662.3	663.0
25°	1692.4	1386.1	972.7	813.8	745.6	703.3	678.0	658.3	640.5	629.6	630.3
27.5°	1834.9	1474.1	985.0	798.8	721.7	675.3	646.0	626.2	609.1	598.9	597.5
30°	2025.2	1588.7	998.6	780.4	691.7	644.6	616.0	595.5	579.1	569.6	569.6
32.5°	2239.4	1728.5	1008.2	758.5	658.3	611.9	585.9	569.6	557.3	544.3	543.0
35°	2425.7	1837.0	1037.5	741.5	628.9	581.2	563.4	551.8	533.4	521.1	519.1
37.5°	2699.2	2028.0	1124.1	736.7	593.5	557.3	553.9	532.1	510.9	487.7	485.7
40°	3139.8	2358.8	1225.1	713.5	556.6	544.3	540.9	511.6	461.8	447.5	444.7
42.5°	3700.6	2757.2	1236.0	646.0	530.7	533.4	523.2	465.9	444.1	433.2	430.4
45°	4206.7	3080.5	1173.9	577.1	511.6	517.1	495.9	448.8	436.6	426.3	423.6
47.5°	4491.1	3180.1	1056.6	525.2	497.3	502.7	452.3	440.7	428.4	418.1	415.4
50°	4571.0	3093.5	920.2	495.2	486.4	488.4	440.7	433.8	422.9	414.7	410.6
52.5°	4586.6	2963.9	794.0	477.5	478.2	459.8	430.4	425.0	418.1	405.2	400.4
55°	4593.5	2847.2	680.8	466.6	472.7	422.9	419.5	415.4	410.0	396.3	393.6
57.5°	4611.2	2697.8	592.1	458.4	465.9	405.9	407.2	404.5	397.7	391.5	390.2
60°	4560.7	2491.1	523.9	450.2	456.3	391.5	392.9	394.3	388.1	386.8	386.1
62.5°	4391.6	2197.8	465.9	439.3	436.6	377.2	377.2	382.7	377.2	379.3	379.3
65°	4043.0	1824.0	414.1	418.8	405.9	361.5	360.8	370.4	362.2	371.1	371.8
67.5°	3448.8	1380.6	360.8	386.8	373.8	345.2	347.9	355.4	344.5	362.9	362.9
70°	2729.9	939.3	305.6	341.7	341.1	326.7	335.6	334.9	322.6	349.9	345.2
72.5°	2033.4	603.0	249.0	286.5	298.1	307.0	323.3	309.0	297.4	313.1	298.8
75°	1420.9	377.9	196.5	226.5	248.3	285.1	308.3	279.7	262.6	257.8	253.8
77.5°	850.6	241.5	154.8	172.6	193.7	259.2	289.2	249.0	223.1	220.3	212.1
80°	392.2	157.6	118.0	128.9	137.8	222.4	263.3	212.8	181.4	178.7	169.2
82.5°	177.4	103.7	88.0	92.1	92.8	176.7	222.4	168.5	138.5	224.4	194.4
85°	82.5	66.8	57.3	54.6	55.3	118.0	161.7	116.0	157.6	122.8	93.5
87.5°	35.5	34.1	29.3	23.2	21.1	25.2	62.1	48.4	68.9	27.3	18.4
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)