

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: P671964

Luminaire Tested: **CCP-SA-2D-735-U-AFL**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P671964
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2D-735-U-AFL
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ AFL distribution lens
Light Source: (32) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

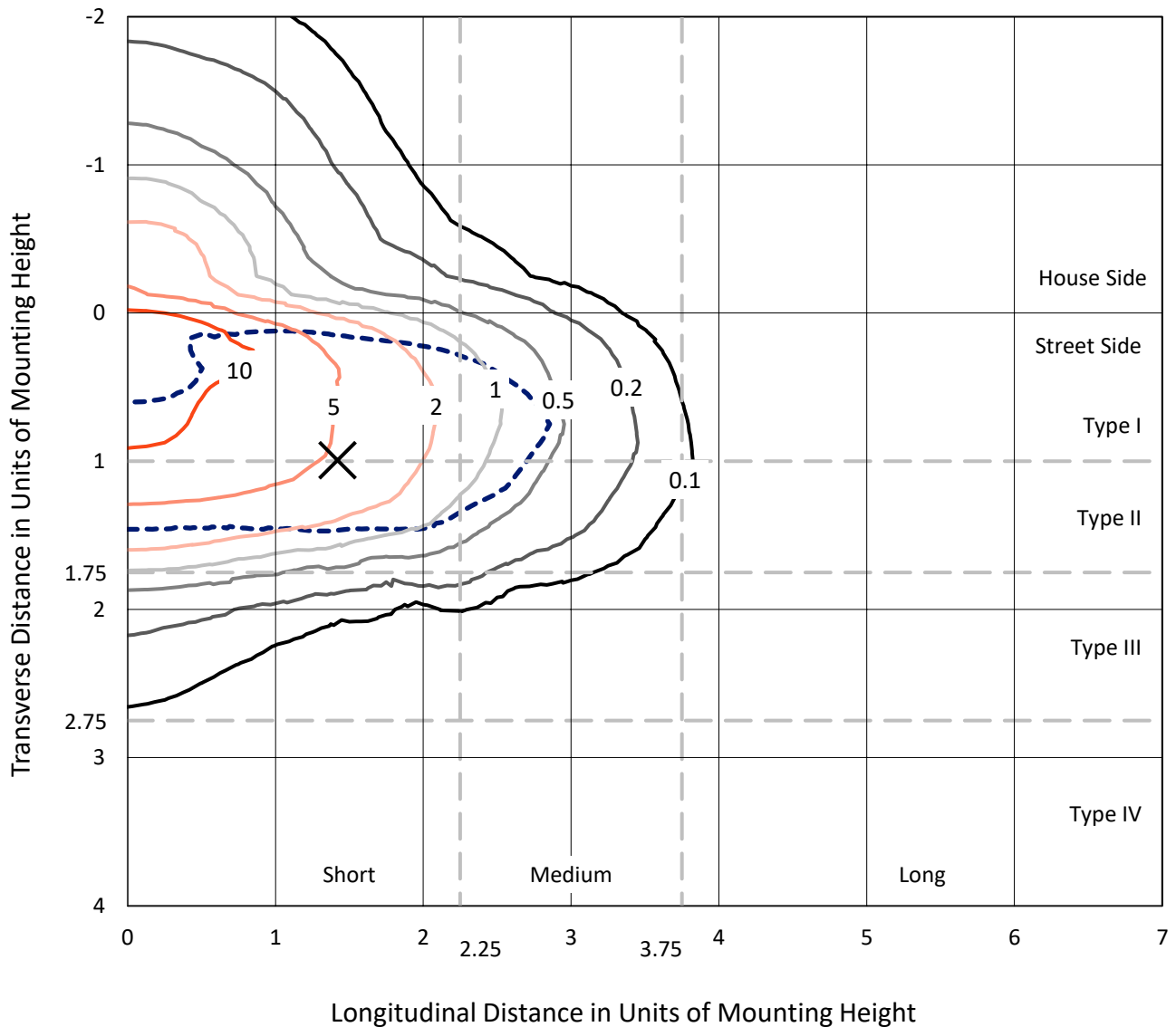
Lumens per Lamp: N/A
Luminaire Lumens: 11100.6 lumens
Efficiency: N/A
Efficacy: 137.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

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

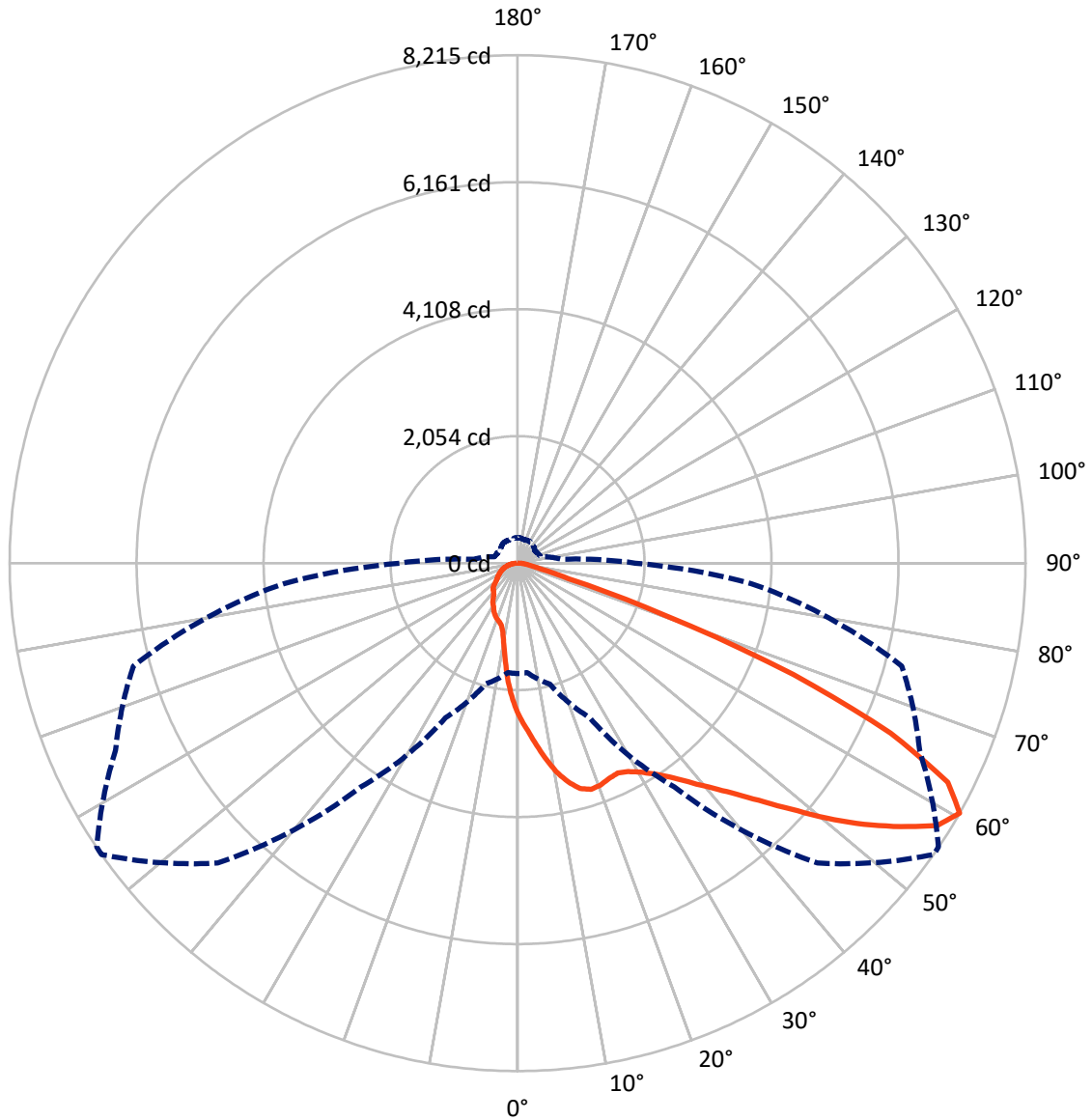
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 15.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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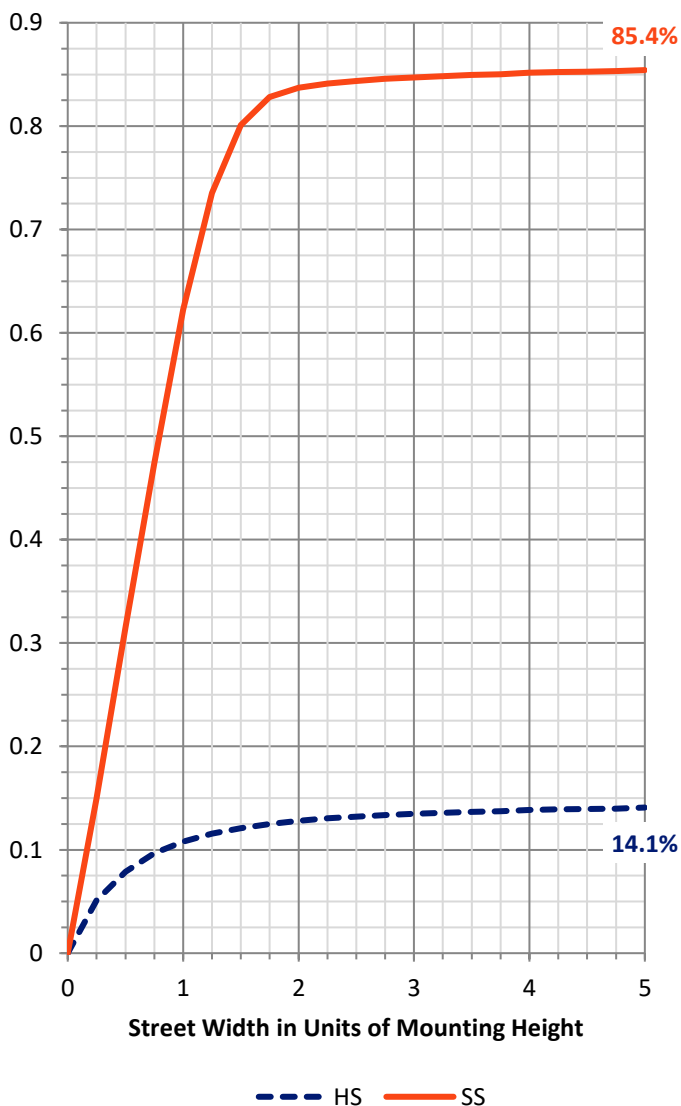
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1595.7	0.0	1595.7
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	9504.9	0.0	9504.9
	% Fixture	85.6	0.0	85.6
Total	Lumens	11100.6	0.0	11100.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	230.4	2.1
10°-20°	652.7	5.9
20°-30°	1062.8	9.6
30°-40°	1588.4	14.3
40°-50°	2334.6	21.0
50°-60°	2736.3	24.6
60°-70°	1804.2	16.3
70°-80°	574.5	5.2
80°-90°	116.8	1.1
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°	11100.6	100.0
0°-180°	11100.6	100.0



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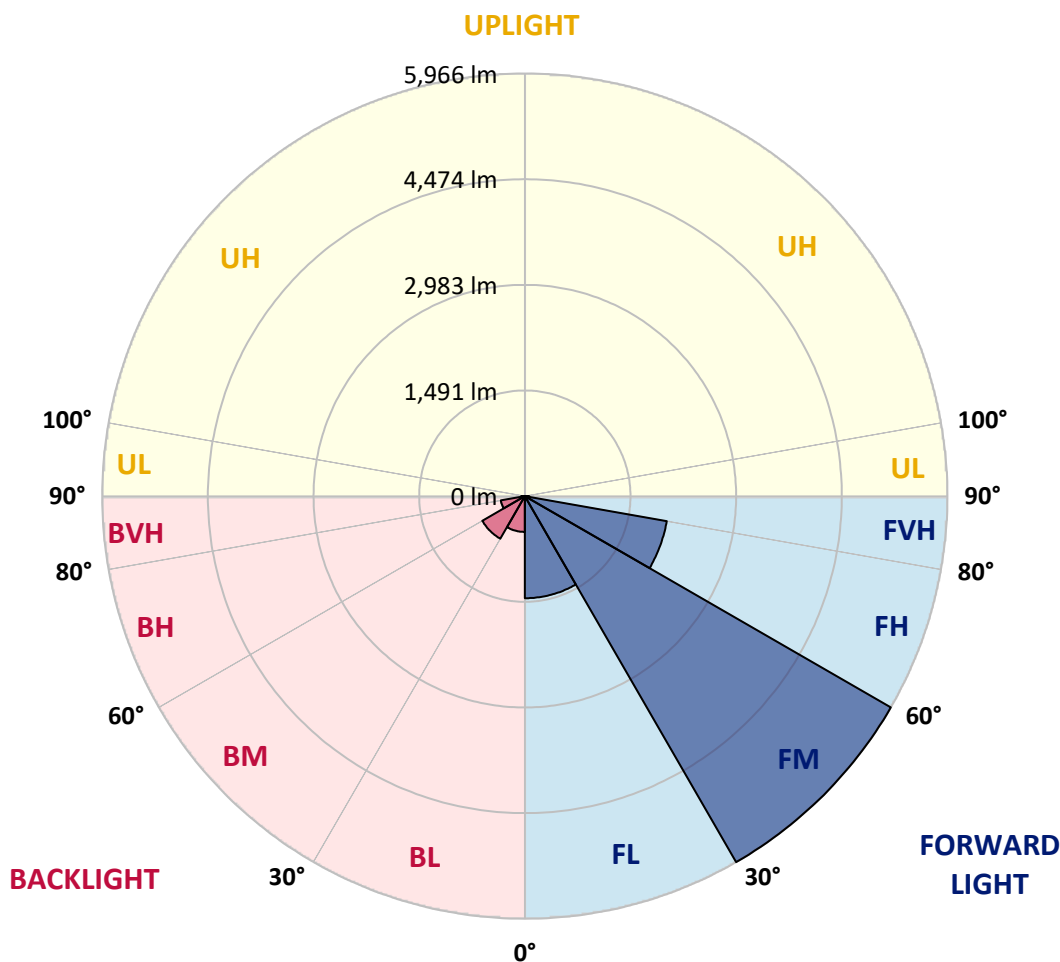
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1440.8	13.0			
FM (30°-60°)	5965.8	53.7			
FH (60°-80°)	2034.3	18.3			G2/5000
FVH (80°-90°)	64.1	0.6			G1/100
BL (0°-30°)	505.1	4.6	B2/1000		
BM (30°-60°)	693.6	6.2	B1/1000		
BH (60°-80°)	344.3	3.1	B1/500		G1/500
BVH (80°-90°)	52.7	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	2461.9	2461.9	2461.9	2461.9	2461.9	2461.9	2461.9	2461.9	2461.9	2461.9	2461.9
2.5°	2864.9	2854.5	2854.5	2827.9	2788.5	2733.8	2668.6	2652.6	2627.6	2564.1	2482.0
5°	3301.8	3290.5	3275.3	3228.6	3155.4	3046.0	2908.4	2883.5	2794.1	2663.0	2515.0
7.5°	3590.6	3584.2	3579.4	3539.1	3466.7	3358.9	3174.7	3146.5	2995.3	2778.1	2546.4
10°	3560.9	3580.2	3614.0	3642.1	3656.6	3601.1	3428.1	3395.1	3207.7	2911.6	2593.0
12.5°	3281.7	3309.1	3371.8	3486.9	3619.6	3726.6	3628.5	3609.9	3434.6	3053.2	2651.7
15°	3074.1	3085.4	3116.0	3201.2	3399.2	3684.8	3783.7	3766.8	3646.2	3235.0	2719.3
17.5°	3009.8	3014.6	3021.8	3050.0	3185.2	3521.4	3847.3	3863.4	3851.3	3424.1	2795.8
20°	3041.9	3045.2	3046.0	3050.8	3115.2	3384.7	3830.4	3857.7	4031.5	3613.2	2871.4
22.5°	3165.8	3161.8	3156.2	3137.7	3173.9	3360.5	3785.3	3828.8	4170.7	3785.3	2941.4
25°	3382.3	3376.6	3337.2	3298.6	3313.9	3447.4	3761.2	3807.9	4279.3	3947.9	2992.9
27.5°	3639.7	3634.1	3593.9	3520.6	3504.6	3592.2	3817.5	3846.5	4359.0	4091.9	3015.4
30°	3906.8	3906.8	3856.9	3772.5	3721.0	3758.0	3921.3	3944.6	4419.3	4231.0	3029.9
32.5°	4198.1	4206.1	4128.9	4032.3	3975.2	3953.5	4066.9	4087.0	4507.0	4395.2	3060.4
35°	4572.2	4554.5	4460.3	4333.2	4241.5	4192.4	4247.1	4270.5	4635.7	4599.5	3109.5
37.5°	4992.9	4961.6	4845.7	4693.7	4533.6	4451.5	4487.7	4493.3	4826.4	4865.8	3198.8
40°	5340.5	5334.9	5236.7	5092.7	4890.8	4780.5	4762.8	4766.1	5091.1	5181.2	3334.0
42.5°	5633.4	5612.4	5594.7	5544.0	5330.0	5149.0	5076.6	5077.4	5378.3	5507.0	3470.0
45°	5762.9	5758.9	5811.2	5941.5	5787.8	5574.6	5471.6	5486.1	5707.4	5841.7	3601.1
47.5°	5707.4	5710.6	5850.6	6192.5	6283.4	6120.1	5937.5	5928.6	6026.0	6098.4	3716.9
50°	5211.8	5264.1	5643.0	6215.8	6608.4	6689.7	6483.7	6450.8	6305.1	6302.7	3787.7
52.5°	4837.7	4835.3	5067.8	5978.5	6723.5	7203.8	7018.8	6944.7	6536.0	6417.8	3793.4
55°	4332.4	4329.2	4502.2	5284.2	6495.0	7562.6	7523.2	7430.7	6747.6	6455.6	3754.8
57.5°	3280.9	3342.0	3514.2	4230.2	5770.9	7505.5	8005.1	7927.9	6954.4	6438.7	3747.5
60°	1785.3	1778.0	2027.4	2757.1	4418.5	6857.0	8215.1	8211.1	7174.0	6432.3	3791.8
62.5°	823.0	815.0	864.9	1227.7	2533.5	5493.4	7809.6	7867.5	7377.6	6373.5	3787.7
65°	615.5	594.6	527.0	571.2	969.5	3279.3	6633.4	6787.9	7063.8	6132.2	3612.4
67.5°	548.7	528.6	449.7	421.6	486.7	1156.9	4811.9	4954.3	5906.9	5680.0	3328.4
70°	502.8	485.1	406.3	362.0	365.3	512.5	2519.0	2799.0	4329.2	4740.3	2836.8
72.5°	458.6	443.3	371.7	318.6	307.3	338.7	858.4	1035.4	2692.8	3454.7	2115.1
75°	411.9	397.4	334.7	285.6	263.9	251.0	408.7	440.1	1424.0	1907.6	1135.2
77.5°	358.0	350.0	298.5	251.8	233.3	189.9	271.9	285.6	609.8	749.0	540.6
80°	311.4	304.9	266.3	228.5	209.2	146.4	187.5	197.1	300.9	374.1	302.5
82.5°	202.7	218.8	220.4	196.3	184.2	117.5	123.9	131.1	199.5	220.4	131.9
85°	83.7	101.4	152.1	135.2	127.9	99.8	82.1	83.7	122.3	128.7	47.5
87.5°	37.8	41.8	74.8	75.6	66.0	37.8	41.0	45.1	62.8	61.9	20.9
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°	2461.9	2461.9	2461.9	2461.9	2461.9	2461.9	2461.9	2461.9	2461.9	2461.9	2461.9
2.5°	2459.5	2422.5	2356.5	2272.0	2211.7	2167.4	2119.1	2083.7	2044.3	2009.7	2015.4
5°	2453.8	2382.2	2234.2	2077.3	1924.4	1798.9	1694.3	1617.1	1537.5	1506.1	1502.1
7.5°	2458.7	2337.2	2094.2	1837.6	1605.0	1444.9	1323.5	1250.2	1204.4	1177.8	1179.4
10°	2457.0	2294.5	1943.0	1589.0	1334.7	1188.3	1114.3	1090.1	1086.1	1089.3	1094.2
12.5°	2459.5	2236.6	1773.2	1365.3	1140.8	1066.0	1069.2	1090.9	1104.6	1113.5	1119.1
15°	2469.9	2189.1	1599.4	1189.1	1039.5	1041.9	1076.5	1110.3	1130.4	1140.0	1144.9
17.5°	2485.2	2129.6	1444.9	1055.5	996.8	1033.8	1078.9	1115.1	1130.4	1136.0	1140.0
20°	2486.8	2061.2	1288.9	963.8	968.7	1016.9	1056.4	1085.3	1104.6	1111.1	1114.3
22.5°	2479.6	1968.7	1128.8	897.1	936.5	984.8	1018.5	1051.5	1025.8	1004.9	999.2
25°	2449.0	1852.0	992.0	842.3	896.3	941.3	979.9	943.7	931.7	915.6	917.2
27.5°	2383.0	1706.4	863.3	790.9	848.8	913.1	885.0	880.2	864.9	848.8	848.8
30°	2296.1	1552.8	755.5	737.0	791.7	823.8	830.3	823.0	814.2	793.3	794.9
32.5°	2218.1	1390.2	679.0	691.9	755.5	755.5	783.6	783.6	751.4	692.7	692.7
35°	2140.9	1237.4	622.7	654.1	695.9	709.6	748.2	697.5	651.7	625.1	623.5
37.5°	2080.5	1107.0	585.7	621.9	638.0	672.6	673.4	636.4	621.1	597.0	594.6
40°	2045.1	997.6	563.2	605.8	607.4	639.6	586.5	597.0	593.7	575.2	572.8
42.5°	2025.8	913.1	546.3	592.1	584.1	552.7	543.1	560.8	566.4	556.7	552.7
45°	2010.5	847.2	532.6	544.7	565.6	508.5	504.4	518.1	530.2	529.4	526.2
47.5°	2002.5	801.3	520.5	514.9	518.9	481.9	473.9	480.3	495.6	505.2	504.4
50°	1971.1	765.9	502.8	484.3	458.6	458.6	454.6	454.6	473.1	492.4	494.0
52.5°	1915.6	724.1	477.1	455.4	425.6	438.5	440.1	436.9	456.2	477.1	478.7
55°	1854.5	692.7	442.5	428.8	398.2	420.0	427.2	424.0	436.9	451.3	450.5
57.5°	1855.3	691.9	412.7	402.3	372.5	396.6	414.3	415.1	414.3	424.8	424.8
60°	1901.9	708.0	389.4	366.9	342.7	371.7	400.7	400.7	395.0	410.3	411.9
62.5°	1915.6	706.4	374.9	333.1	316.2	349.2	380.5	385.4	381.3	403.1	405.5
65°	1794.9	668.6	360.4	302.5	292.0	324.2	355.6	369.3	365.3	393.4	396.6
67.5°	1627.6	619.5	337.9	275.2	267.1	300.1	329.9	344.3	343.5	380.5	382.2
70°	1403.1	559.2	309.7	247.0	243.0	271.9	298.5	313.8	321.0	363.6	362.8
72.5°	1086.9	479.5	267.1	217.2	216.4	243.0	266.3	283.2	296.9	337.9	337.9
75°	700.7	377.3	218.0	188.3	185.0	210.0	234.1	253.4	295.3	360.4	359.6
77.5°	428.0	288.0	175.4	156.9	156.1	178.6	202.7	235.7	322.6	321.0	312.2
80°	256.6	206.8	140.0	125.5	125.5	146.4	173.0	252.6	267.9	305.7	288.8
82.5°	133.6	127.1	104.6	92.5	96.5	115.0	157.7	201.9	218.8	185.8	170.6
85°	54.7	67.6	64.4	58.7	61.1	79.6	152.1	161.7	129.5	136.0	136.8
87.5°	18.5	29.8	29.8	23.3	25.7	56.3	90.1	53.9	65.2	38.6	29.0
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)