

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: P671941

Luminaire Tested: **CCP-SA-2C-727-U-AFL**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P671941
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2C-727-U-AFL
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ AFL distribution lens
Light Source: (32) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

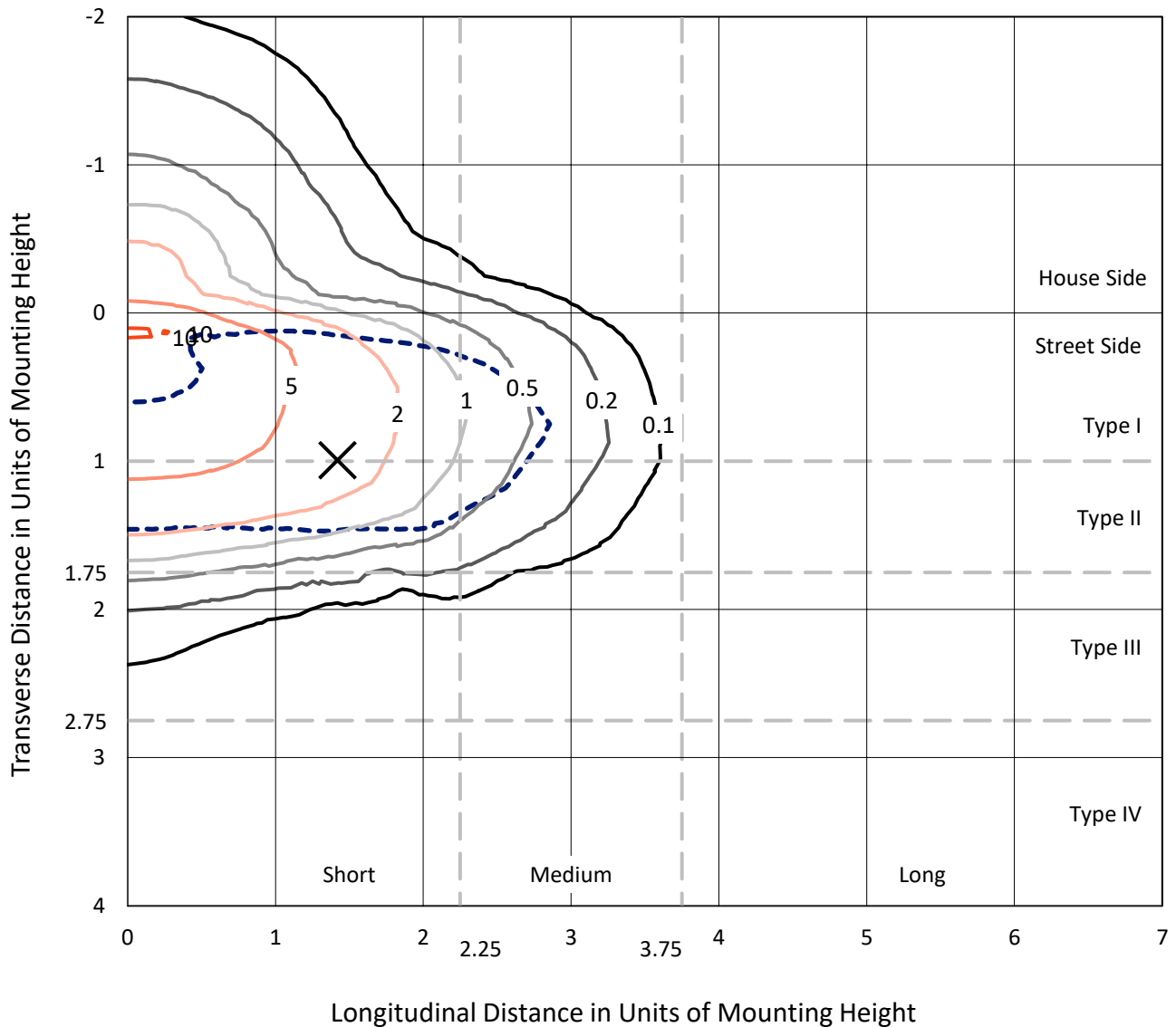
Lumens per Lamp: N/A
Luminaire Lumens: 7630.6 lumens
Efficiency: N/A
Efficacy: 122.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 62.1
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

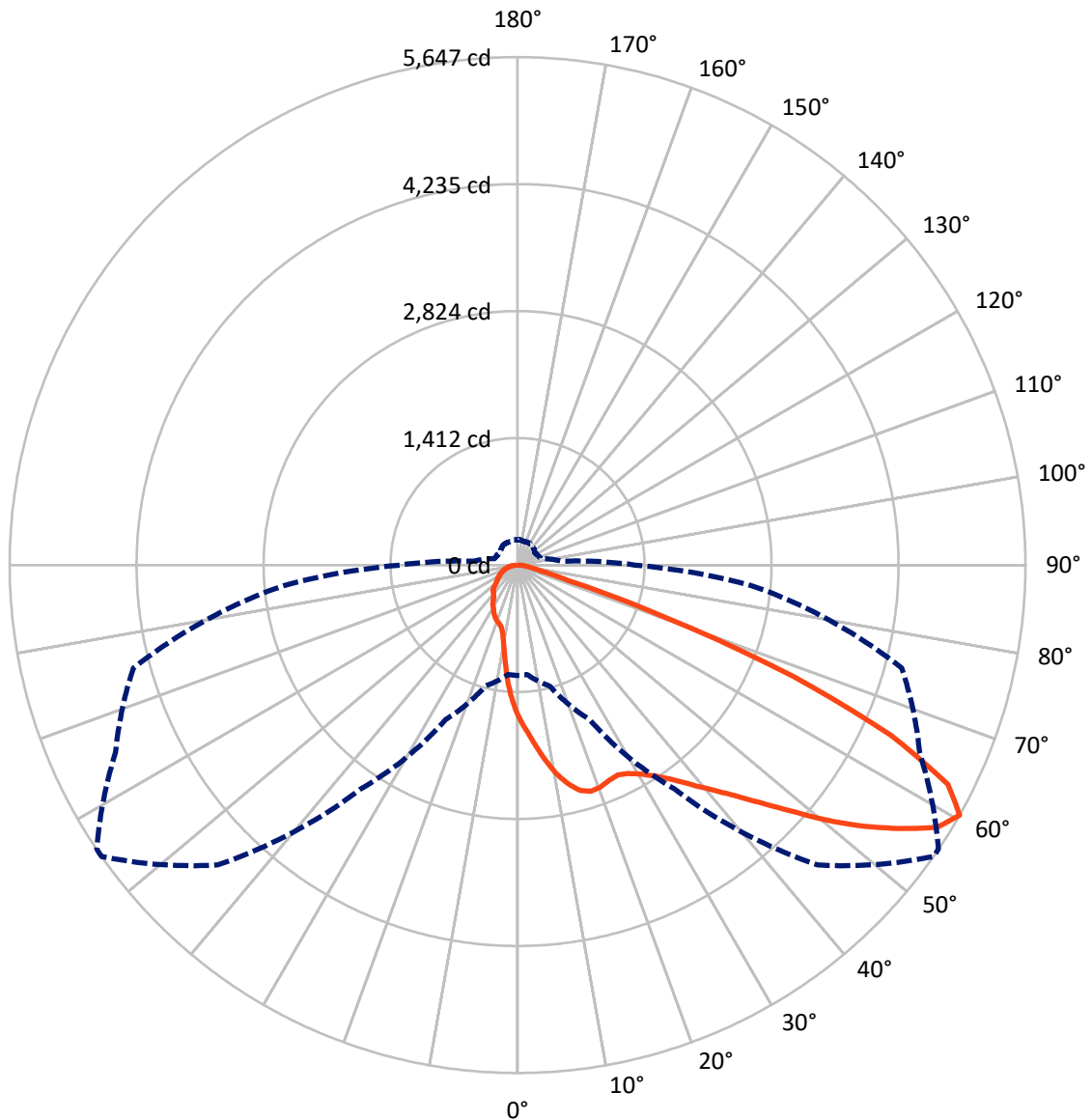
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 10.6 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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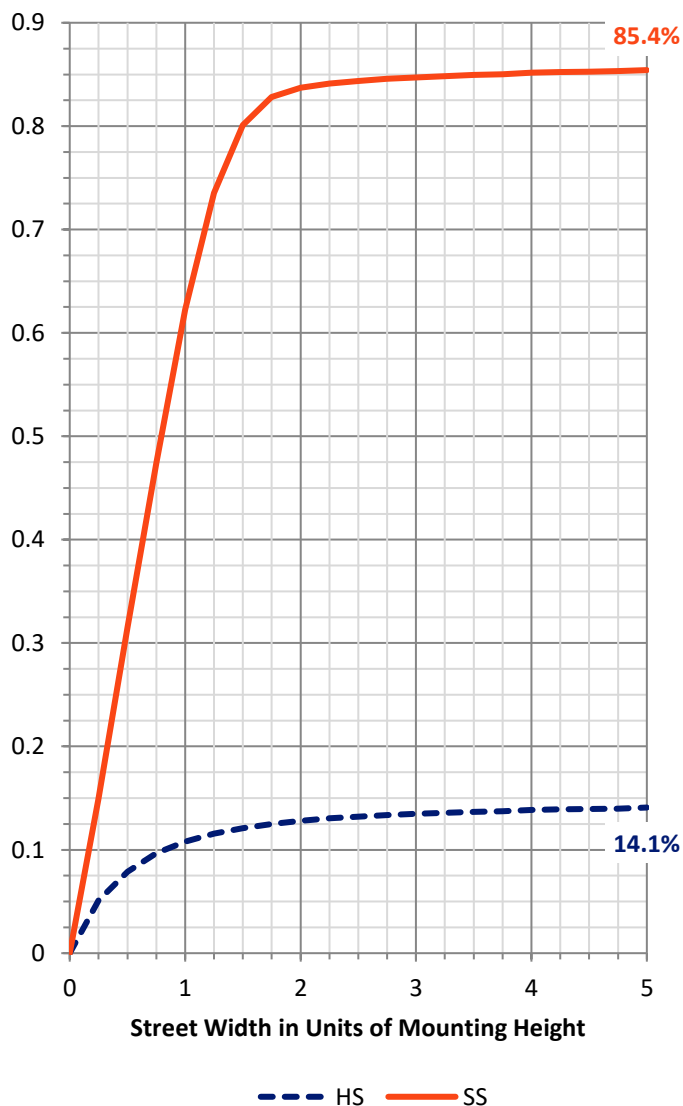
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1096.9	0.0	1096.9
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	6533.7	0.0	6533.7
	% Fixture	85.6	0.0	85.6
Total	Lumens	7630.6	0.0	7630.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	158.4	2.1
10°-20°	448.7	5.9
20°-30°	730.5	9.6
30°-40°	1091.9	14.3
40°-50°	1604.8	21.0
50°-60°	1880.9	24.6
60°-70°	1240.2	16.3
70°-80°	394.9	5.2
80°-90°	80.3	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°	7630.6	100.0
0°-180°	7630.6	100.0



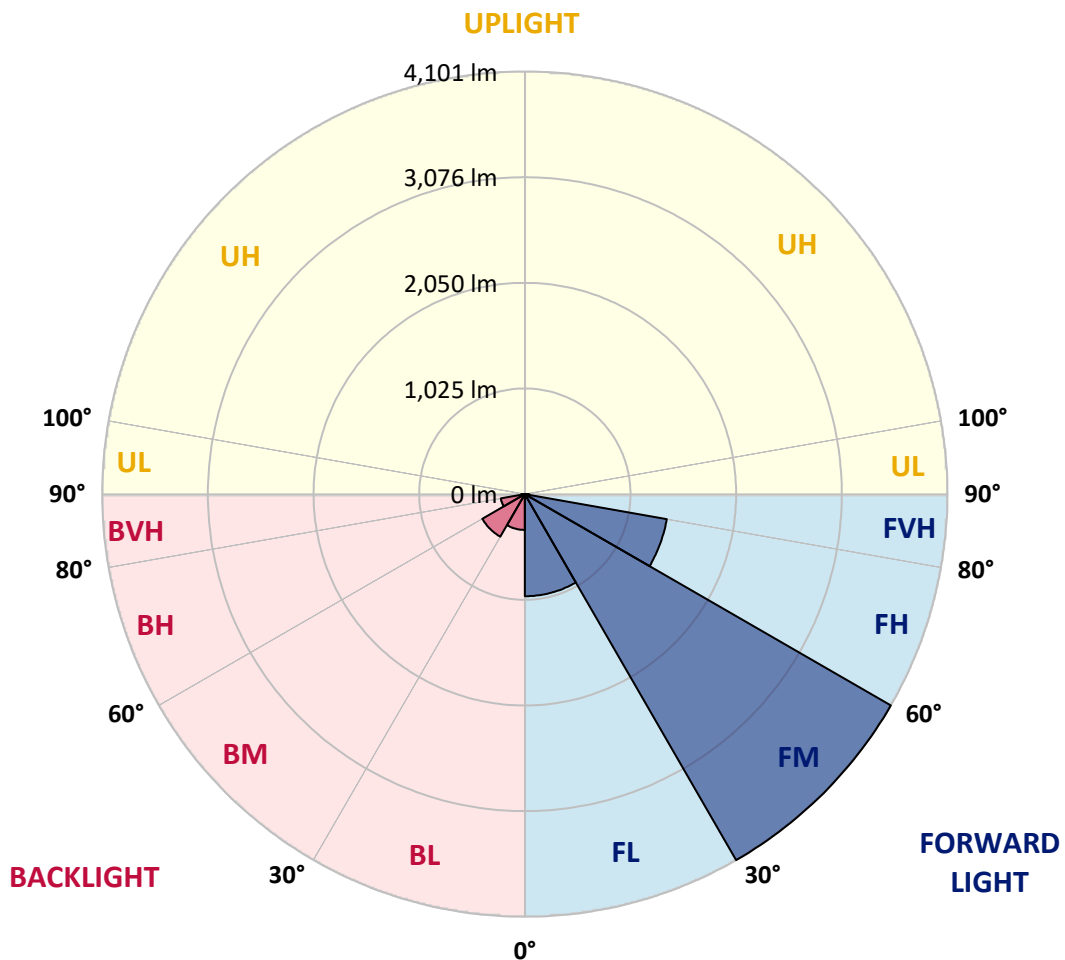
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	990.4	13.0			
FM (30°-60°)	4100.9	53.7			
FH (60°-80°)	1398.4	18.3			G1/1800
FVH (80°-90°)	44.0	0.6			G1/100
BL (0°-30°)	347.2	4.6	B1/500		
BM (30°-60°)	476.8	6.2	B1/1000		
BH (60°-80°)	236.7	3.1	B1/500		G1/500
BVH (80°-90°)	36.3	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-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	1692.3	1692.3	1692.3	1692.3	1692.3	1692.3	1692.3	1692.3	1692.3	1692.3	1692.3
2.5°	1969.4	1962.2	1962.2	1943.9	1916.8	1879.2	1834.4	1823.4	1806.2	1762.5	1706.1
5°	2269.7	2261.9	2251.4	2219.3	2169.0	2093.8	1999.2	1982.1	1920.7	1830.6	1728.8
7.5°	2468.2	2463.8	2460.5	2432.8	2383.0	2308.9	2182.3	2162.9	2059.0	1909.6	1750.4
10°	2447.8	2461.0	2484.3	2503.6	2513.6	2475.4	2356.5	2333.8	2205.0	2001.4	1782.4
12.5°	2255.8	2274.7	2317.8	2396.9	2488.1	2561.7	2494.2	2481.5	2360.9	2098.8	1822.8
15°	2113.2	2120.9	2141.9	2200.5	2336.6	2532.9	2600.9	2589.3	2506.4	2223.8	1869.3
17.5°	2068.9	2072.2	2077.2	2096.6	2189.5	2420.7	2644.6	2655.7	2647.4	2353.7	1921.8
20°	2091.0	2093.3	2093.8	2097.1	2141.4	2326.6	2633.0	2651.8	2771.3	2483.7	1973.8
22.5°	2176.2	2173.4	2169.6	2156.9	2181.7	2310.0	2602.1	2631.9	2867.0	2602.1	2021.9
25°	2325.0	2321.1	2294.0	2267.5	2278.0	2369.8	2585.5	2617.5	2941.6	2713.8	2057.3
27.5°	2502.0	2498.1	2470.4	2420.1	2409.0	2469.3	2624.2	2644.1	2996.4	2812.8	2072.8
30°	2685.6	2685.6	2651.3	2593.2	2557.8	2583.2	2695.5	2711.6	3037.8	2908.4	2082.7
32.5°	2885.8	2891.3	2838.2	2771.8	2732.6	2717.6	2795.6	2809.4	3098.1	3021.3	2103.8
35°	3142.9	3130.8	3066.1	2978.7	2915.6	2881.9	2919.5	2935.5	3186.6	3161.7	2137.5
37.5°	3432.2	3410.6	3331.0	3226.4	3116.4	3060.0	3084.9	3088.7	3317.7	3344.8	2198.9
40°	3671.1	3667.2	3599.7	3500.7	3361.9	3286.2	3274.0	3276.2	3499.6	3561.6	2291.8
42.5°	3872.4	3858.0	3845.8	3811.0	3663.9	3539.5	3489.7	3490.2	3697.1	3785.6	2385.3
45°	3961.4	3958.7	3994.6	4084.2	3978.6	3832.0	3761.2	3771.2	3923.3	4015.6	2475.4
47.5°	3923.3	3925.5	4021.7	4256.7	4319.2	4207.0	4081.4	4075.3	4142.3	4192.0	2555.0
50°	3582.6	3618.5	3879.0	4272.8	4542.7	4598.5	4456.9	4434.3	4334.2	4332.5	2603.7
52.5°	3325.4	3323.8	3483.6	4109.6	4621.8	4951.9	4824.7	4773.8	4492.9	4411.6	2607.6
55°	2978.1	2975.9	3094.8	3632.4	4464.7	5198.6	5171.5	5107.9	4638.3	4437.6	2581.0
57.5°	2255.3	2297.3	2415.7	2907.9	3967.0	5159.3	5502.7	5449.7	4780.5	4426.0	2576.1
60°	1227.2	1222.2	1393.7	1895.3	3037.3	4713.6	5647.1	5644.3	4931.5	4421.6	2606.5
62.5°	565.8	560.2	594.5	843.9	1741.5	3776.2	5368.4	5408.2	5071.4	4381.2	2603.7
65°	423.1	408.7	362.2	392.7	666.4	2254.2	4559.8	4666.0	4855.7	4215.3	2483.1
67.5°	377.2	363.3	309.1	289.8	334.6	795.3	3307.7	3405.6	4060.4	3904.5	2287.9
70°	345.6	333.5	279.3	248.9	251.1	352.3	1731.6	1924.0	2975.9	3258.5	1950.0
72.5°	315.2	304.7	255.5	219.0	211.3	232.8	590.1	711.8	1851.0	2374.8	1453.9
75°	283.2	273.2	230.1	196.3	181.4	172.5	280.9	302.5	978.9	1311.3	780.3
77.5°	246.1	240.6	205.2	173.1	160.4	130.5	186.9	196.3	419.2	514.9	371.6
80°	214.0	209.6	183.1	157.1	143.8	100.7	128.9	135.5	206.8	257.2	207.9
82.5°	139.4	150.4	151.5	134.9	126.6	80.7	85.2	90.1	137.2	151.5	90.7
85°	57.5	69.7	104.5	92.9	87.9	68.6	56.4	57.5	84.1	88.5	32.6
87.5°	26.0	28.8	51.4	52.0	45.3	26.0	28.2	31.0	43.1	42.6	14.4
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°	1692.3	1692.3	1692.3	1692.3	1692.3	1692.3	1692.3	1692.3	1692.3	1692.3	1692.3
2.5°	1690.6	1665.2	1619.9	1561.8	1520.3	1489.9	1456.7	1432.4	1405.3	1381.5	1385.4
5°	1686.8	1637.5	1535.8	1427.9	1322.9	1236.6	1164.7	1111.6	1056.9	1035.3	1032.5
7.5°	1690.1	1606.6	1439.6	1263.1	1103.3	993.3	909.7	859.4	827.9	809.6	810.8
10°	1689.0	1577.3	1335.6	1092.3	917.5	816.8	766.0	749.4	746.6	748.8	752.1
12.5°	1690.6	1537.4	1218.9	938.5	784.2	732.8	735.0	749.9	759.3	765.4	769.3
15°	1697.8	1504.8	1099.4	817.4	714.5	716.2	740.0	763.2	777.0	783.7	787.0
17.5°	1708.3	1463.9	993.3	725.6	685.2	710.7	741.6	766.5	777.0	780.9	783.7
20°	1709.4	1416.9	886.0	662.5	665.9	699.0	726.1	746.1	759.3	763.7	766.0
22.5°	1704.5	1353.3	775.9	616.6	643.7	676.9	700.1	722.8	705.1	690.7	686.9
25°	1683.5	1273.1	681.9	579.0	616.1	647.1	673.6	648.7	640.4	629.4	630.5
27.5°	1638.1	1173.0	593.4	543.6	583.5	627.7	608.3	605.0	594.5	583.5	583.5
30°	1578.4	1067.4	519.3	506.6	544.2	566.3	570.7	565.8	559.7	545.3	546.4
32.5°	1524.7	955.7	466.8	475.6	519.3	519.3	538.7	538.7	516.5	476.2	476.2
35°	1471.6	850.6	428.1	449.6	478.4	487.8	514.3	479.5	448.0	429.7	428.6
37.5°	1430.2	761.0	402.6	427.5	438.6	462.3	462.9	437.5	426.9	410.4	408.7
40°	1405.8	685.8	387.1	416.4	417.5	439.7	403.2	410.4	408.1	395.4	393.8
42.5°	1392.6	627.7	375.5	407.0	401.5	379.9	373.3	385.5	389.3	382.7	379.9
45°	1382.0	582.4	366.1	374.4	388.8	349.5	346.8	356.2	364.5	363.9	361.7
47.5°	1376.5	550.8	357.8	353.9	356.7	331.3	325.7	330.2	340.7	347.3	346.8
50°	1354.9	526.5	345.6	332.9	315.2	315.2	312.5	312.5	325.2	338.5	339.6
52.5°	1316.8	497.7	328.0	313.0	292.6	301.4	302.5	300.3	313.6	328.0	329.1
55°	1274.8	476.2	304.2	294.8	273.8	288.7	293.7	291.5	300.3	310.3	309.7
57.5°	1275.3	475.6	283.7	276.5	256.1	272.6	284.8	285.4	284.8	292.0	292.0
60°	1307.4	486.7	267.7	252.2	235.6	255.5	275.4	275.4	271.5	282.1	283.2
62.5°	1316.8	485.6	257.7	229.0	217.3	240.0	261.6	264.9	262.1	277.1	278.7
65°	1233.8	459.6	247.8	207.9	200.8	222.9	244.4	253.8	251.1	270.4	272.6
67.5°	1118.8	425.8	232.3	189.1	183.6	206.3	226.7	236.7	236.1	261.6	262.7
70°	964.5	384.4	212.9	169.8	167.0	186.9	205.2	215.7	220.7	250.0	249.4
72.5°	747.2	329.6	183.6	149.3	148.8	167.0	183.1	194.7	204.1	232.3	232.3
75°	481.7	259.4	149.9	129.4	127.2	144.3	160.9	174.2	203.0	247.8	247.2
77.5°	294.2	198.0	120.6	107.8	107.3	122.8	139.4	162.0	221.8	220.7	214.6
80°	176.4	142.1	96.2	86.3	86.3	100.7	118.9	173.7	184.2	210.2	198.5
82.5°	91.8	87.4	71.9	63.6	66.4	79.1	108.4	138.8	150.4	127.8	117.2
85°	37.6	46.5	44.2	40.4	42.0	54.8	104.5	111.2	89.0	93.5	94.0
87.5°	12.7	20.5	20.5	16.0	17.7	38.7	61.9	37.1	44.8	26.5	19.9
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)