

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: P671591

Luminaire Tested: **CCP-SA-1C-835-U-SL4**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P671591
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1C-835-U-SL4
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ SL4
distribution lens
Light Source: (16) 3500K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3650.7 lumens
Efficiency: N/A
Efficacy: 114.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

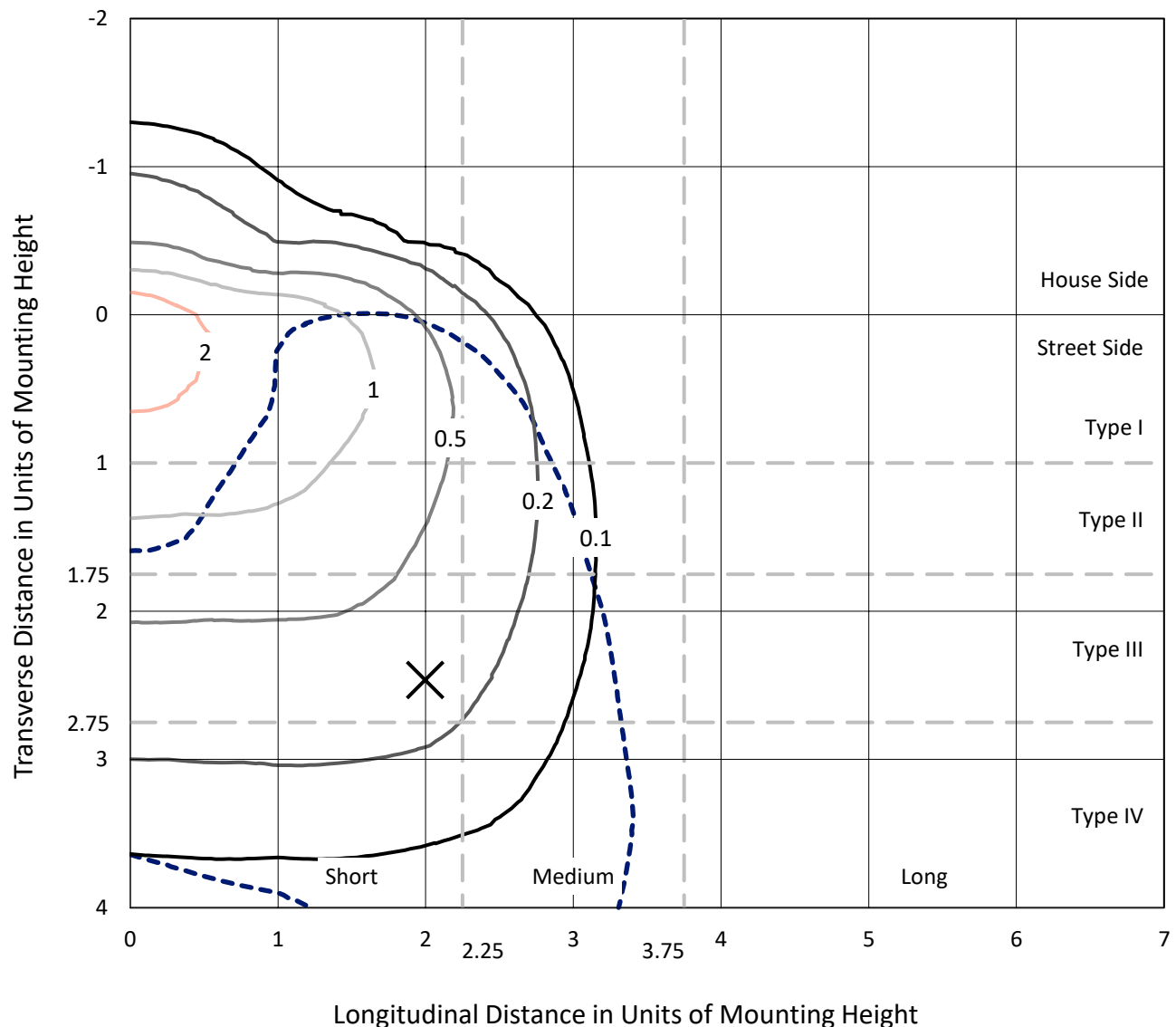
Input Watts (W): 32
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

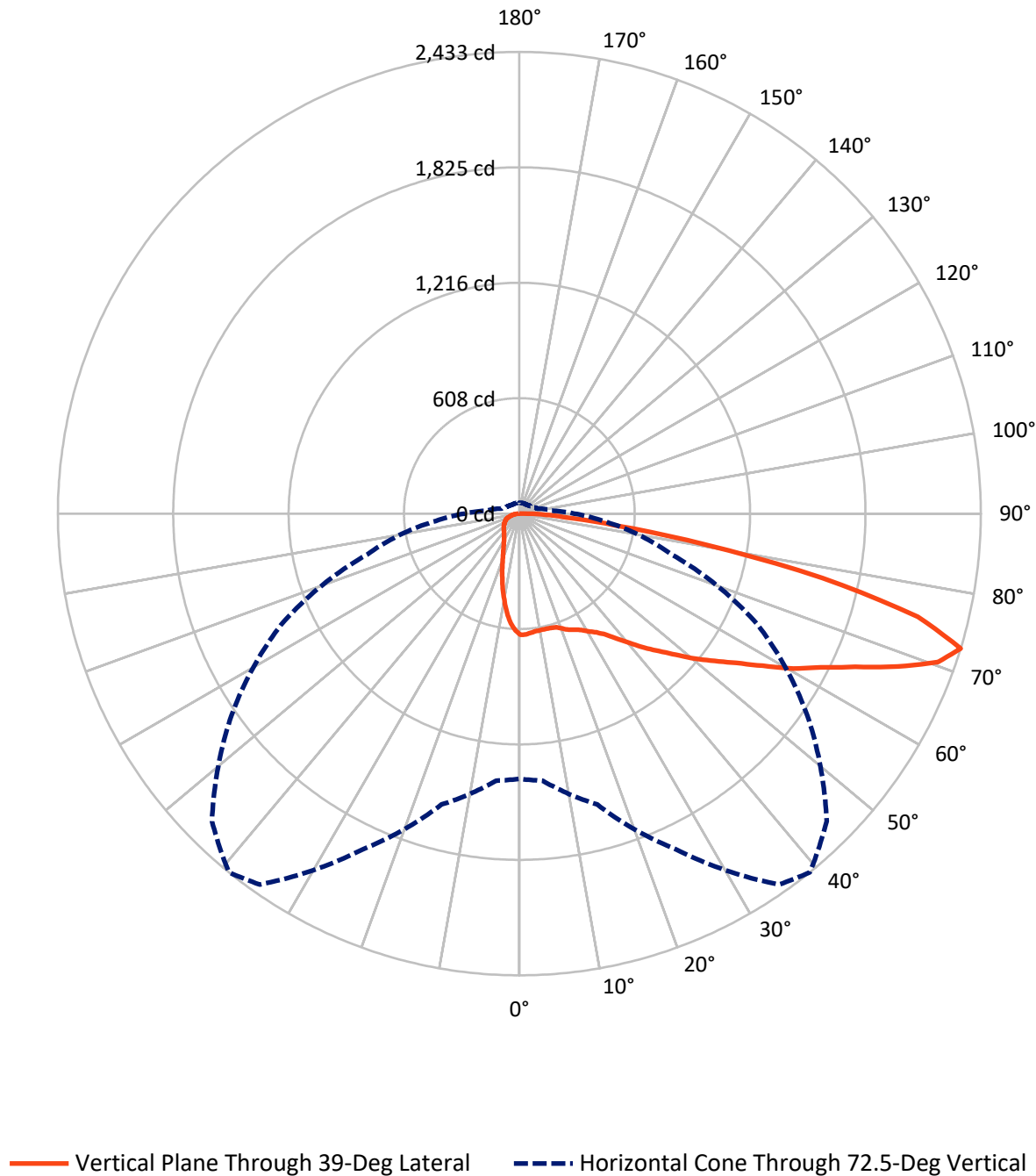
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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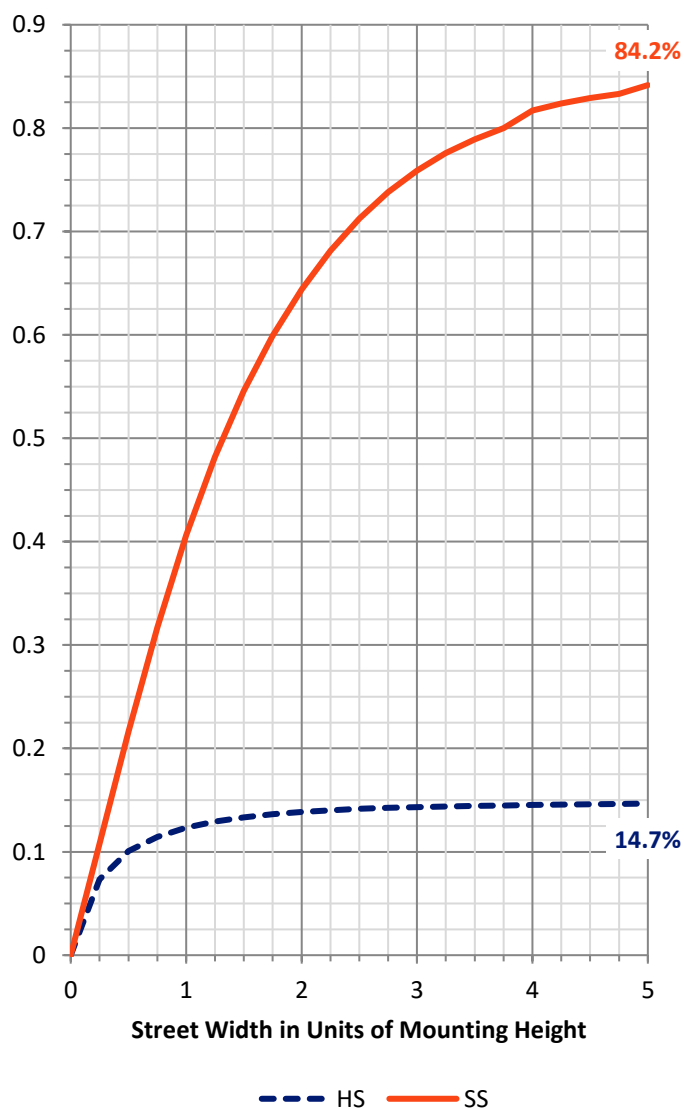
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	542.6	0.0	542.6
	% Fixture	14.9	0.0	14.9
Street Side	Lumens	3108.2	0.0	3108.2
	% Fixture	85.1	0.0	85.1
Total	Lumens	3650.7	0.0	3650.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.5	1.5
10°-20°	144.1	3.9
20°-30°	219.6	6.0
30°-40°	321.2	8.8
40°-50°	491.7	13.5
50°-60°	721.2	19.8
60°-70°	919.8	25.2
70°-80°	664.6	18.2
80°-90°	112.1	3.1
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°	3650.7	100.0
0°-180°	3650.7	100.0

Coefficient of Utilization



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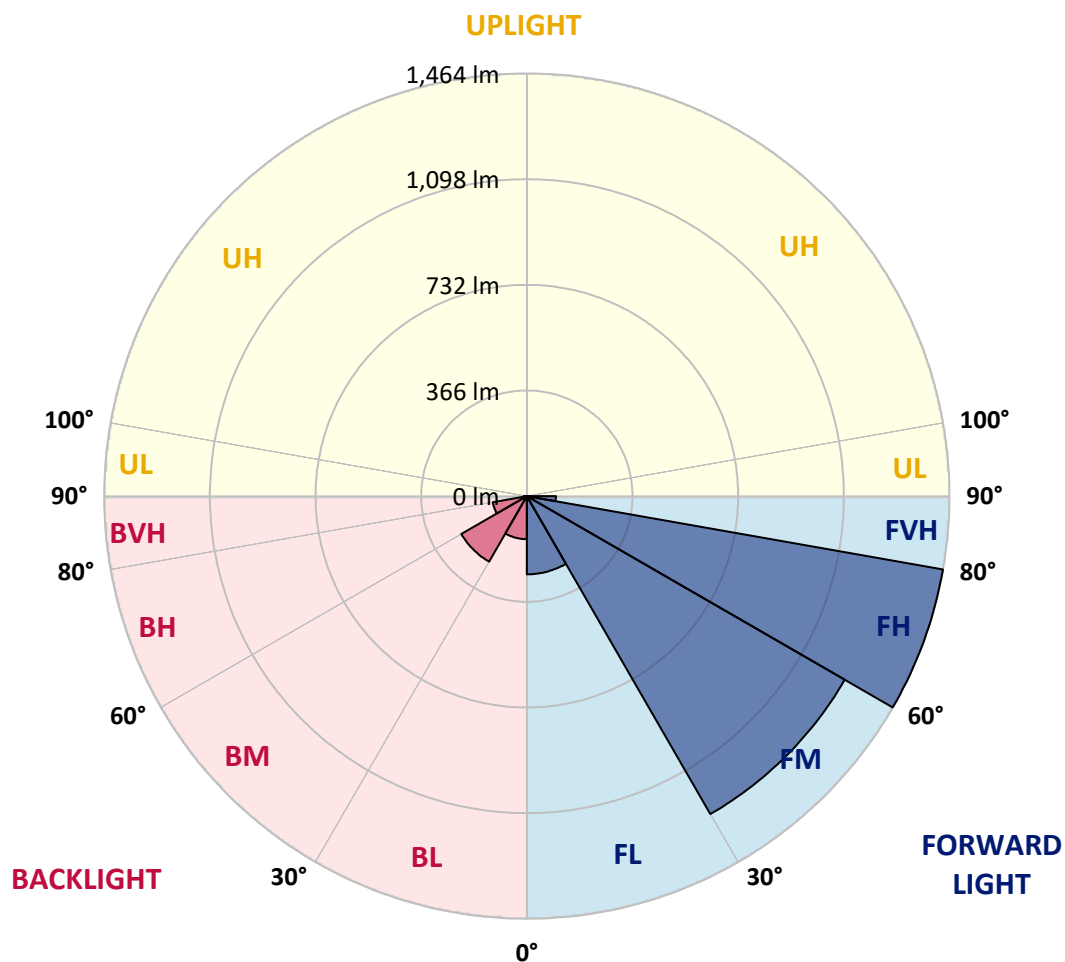
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	270.9	7.4			
FM	(30°-60°)	1272.0	34.8			
FH	(60°-80°)	1464.5	40.1			G1/1800
FVH	(80°-90°)	100.7	2.8			G2/225
BL	(0°-30°)	149.2	4.1	B1/500		
BM	(30°-60°)	262.1	7.2	B1/1000		
BH	(60°-80°)	119.9	3.3	B1/500		G1/500
BVH	(80°-90°)	11.4	0.3			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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	639.0	639.0	639.0	639.0	639.0	639.0	639.0	639.0	639.0	639.0	639.0
2.5°	648.6	650.0	647.3	644.5	643.2	637.7	643.2	640.4	637.7	637.7	637.7
5°	640.4	641.8	641.8	639.0	640.4	630.8	629.4	630.8	626.7	624.0	622.6
7.5°	628.1	630.8	636.3	634.9	629.4	625.3	626.7	625.3	618.5	614.4	603.4
10°	618.5	621.2	624.0	626.7	625.3	624.0	622.6	617.1	615.7	606.1	595.2
12.5°	608.9	608.9	610.2	621.2	622.6	622.6	614.4	614.4	610.2	608.9	592.4
15°	599.3	603.4	614.4	617.1	622.6	625.3	621.2	621.2	614.4	604.8	592.4
17.5°	602.0	608.9	619.8	626.7	629.4	629.4	634.9	630.8	621.2	615.7	603.4
20°	615.7	617.1	630.8	643.2	645.9	645.9	640.4	636.3	629.4	619.8	603.4
22.5°	624.0	633.6	650.0	656.9	665.1	665.1	658.2	648.6	639.0	629.4	611.6
25°	659.6	661.0	667.8	678.8	682.9	677.4	670.6	659.6	647.3	637.7	621.2
27.5°	684.3	691.1	699.4	704.9	698.0	693.9	688.4	676.1	666.5	658.2	634.9
30°	729.5	721.3	726.8	729.5	717.2	719.9	704.9	693.9	682.9	682.9	656.9
32.5°	757.0	763.8	758.3	757.0	747.4	746.0	736.4	724.1	717.2	725.4	689.8
35°	805.0	800.9	800.9	799.5	788.5	781.7	781.7	759.7	766.6	784.4	740.5
37.5°	829.7	828.3	836.5	843.4	832.4	836.5	832.4	822.8	825.5	857.1	803.6
40°	854.3	863.9	880.4	883.1	890.0	895.5	892.7	891.4	902.3	953.1	888.6
42.5°	877.6	885.9	910.6	932.5	949.0	966.8	968.2	968.2	1003.8	1076.5	991.5
45°	907.8	914.7	949.0	992.8	1020.3	1032.6	1043.6	1055.9	1103.9	1190.3	1101.2
47.5°	949.0	954.4	995.6	1050.4	1103.9	1110.8	1132.7	1146.4	1219.1	1306.9	1213.6
50°	1007.9	1003.8	1036.7	1116.3	1168.4	1201.3	1232.8	1257.5	1328.8	1424.8	1301.4
52.5°	1055.9	1055.9	1080.6	1186.2	1257.5	1289.0	1322.0	1356.2	1438.5	1542.7	1372.7
55°	1138.2	1130.0	1145.1	1254.8	1357.6	1387.8	1450.9	1479.7	1559.2	1630.5	1433.0
57.5°	1194.4	1198.5	1216.4	1345.3	1475.5	1512.6	1575.7	1596.2	1666.2	1722.4	1476.9
60°	1268.5	1254.8	1293.2	1445.4	1605.8	1657.9	1710.0	1722.4	1774.5	1781.3	1497.5
62.5°	1339.8	1337.0	1370.0	1545.5	1745.7	1782.7	1836.2	1849.9	1871.9	1828.0	1468.7
65°	1383.7	1401.5	1463.2	1655.2	1904.8	1945.9	1999.4	1972.0	1947.3	1786.8	1327.4
67.5°	1444.0	1452.2	1546.9	1774.5	2088.5	2150.2	2196.9	2088.5	1904.8	1618.2	1117.6
70°	1457.7	1479.7	1603.1	1899.3	2277.8	2340.8	2343.6	2048.8	1749.8	1316.5	810.5
72.5°	1397.4	1412.5	1586.6	1951.4	2386.1	2432.7	2291.5	1852.7	1386.4	829.7	441.6
75°	1175.2	1217.7	1380.9	1790.9	2187.3	2169.4	1941.8	1413.8	832.4	367.5	186.5
77.5°	818.7	820.1	990.1	1302.8	1637.4	1633.2	1385.0	820.1	356.5	148.1	109.7
80°	363.4	389.5	492.3	702.1	994.2	994.2	807.7	407.3	178.3	96.0	75.4
82.5°	213.9	222.2	263.3	327.7	484.1	510.1	386.7	271.5	122.0	60.3	46.6
85°	157.7	171.4	196.1	197.5	229.0	233.1	213.9	235.9	83.7	32.9	38.4
87.5°	117.9	126.2	156.3	130.3	122.0	115.2	131.6	241.4	31.5	16.5	12.3
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°	639.0	639.0	639.0	639.0	639.0	639.0	639.0	639.0	639.0	639.0	639.0
2.5°	632.2	632.2	629.4	624.0	624.0	613.0	615.7	618.5	611.6	611.6	613.0
5°	622.6	617.1	610.2	602.0	596.5	581.4	578.7	569.1	567.7	565.0	560.9
7.5°	603.4	595.2	582.8	570.5	552.6	538.9	522.5	508.8	503.3	499.2	497.8
10°	585.6	584.2	563.6	538.9	511.5	485.4	460.8	442.9	432.0	425.1	423.7
12.5°	585.6	574.6	545.8	511.5	471.7	433.3	401.8	377.1	362.0	351.1	346.9
15°	582.8	571.8	533.4	481.3	436.1	384.0	340.1	314.0	292.1	281.1	282.5
17.5°	585.6	569.1	515.6	459.4	396.3	340.1	288.0	256.4	234.5	226.3	224.9
20°	586.9	566.4	501.9	429.2	355.2	292.1	242.7	212.6	196.1	190.6	190.6
22.5°	584.2	558.1	481.3	393.6	319.5	252.3	211.2	185.1	174.2	167.3	170.0
25°	596.5	556.8	462.1	363.4	278.4	219.4	187.9	168.7	161.8	157.7	159.1
27.5°	599.3	556.8	447.1	329.1	242.7	194.7	170.0	157.7	152.2	149.5	148.1
30°	610.2	559.5	429.2	294.8	213.9	175.5	156.3	149.5	145.4	144.0	144.0
32.5°	640.4	567.7	410.0	266.0	189.2	159.1	146.7	141.2	138.5	137.1	138.5
35°	676.1	589.7	389.5	235.9	171.4	148.1	138.5	134.4	133.0	133.0	133.0
37.5°	730.9	622.6	371.6	211.2	156.3	137.1	130.3	128.9	127.5	128.9	128.9
40°	794.0	658.2	355.2	192.0	145.4	130.3	123.4	123.4	122.0	123.4	124.8
42.5°	866.7	702.1	338.7	172.8	135.8	124.8	119.3	117.9	116.6	119.3	120.7
45°	966.8	762.5	327.7	161.8	128.9	119.3	113.8	113.8	112.4	112.4	115.2
47.5°	1050.4	820.1	327.7	150.8	124.8	115.2	109.7	109.7	107.0	108.3	108.3
50°	1120.4	869.4	334.6	148.1	119.3	111.1	107.0	104.2	102.8	102.8	102.8
52.5°	1167.0	899.6	340.1	145.4	116.6	105.6	102.8	101.5	98.7	97.4	98.7
55°	1213.6	920.2	341.5	145.4	112.4	100.1	97.4	97.4	94.6	93.2	93.2
57.5°	1231.4	911.9	322.3	142.6	109.7	96.0	93.2	91.9	90.5	89.1	89.1
60°	1223.2	881.8	279.7	135.8	107.0	93.2	87.8	87.8	87.8	85.0	86.4
62.5°	1167.0	778.9	224.9	124.8	102.8	87.8	82.3	85.0	85.0	83.7	83.7
65°	1018.9	643.2	182.4	115.2	97.4	83.7	78.2	82.3	83.7	82.3	80.9
67.5°	814.6	495.0	150.8	104.2	90.5	76.8	72.7	76.8	78.2	76.8	76.8
70°	559.5	319.5	122.0	93.2	80.9	69.9	65.8	68.6	68.6	69.9	69.9
72.5°	289.3	172.8	100.1	79.5	69.9	63.1	59.0	59.0	57.6	57.6	57.6
75°	144.0	117.9	83.7	67.2	59.0	53.5	50.7	48.0	48.0	48.0	48.0
77.5°	100.1	90.5	68.6	53.5	48.0	43.9	43.9	39.8	39.8	39.8	39.8
80°	75.4	71.3	52.1	41.1	37.0	34.3	34.3	32.9	32.9	31.5	31.5
82.5°	53.5	57.6	39.8	30.2	27.4	26.1	26.1	24.7	24.7	21.9	21.9
85°	42.5	48.0	30.2	21.9	20.6	17.8	17.8	16.5	16.5	15.1	13.7
87.5°	12.3	26.1	12.3	8.2	8.2	8.2	8.2	6.9	6.9	5.5	5.5
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)