

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: P675323

Luminaire Tested: **CCW-SA-1C-835-U-T4W**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P675323
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1C-835-U-T4W
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @615mA w/
T4W distribution lens
Light Source: (16) 3500K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3758.4 lumens
Efficiency: N/A
Efficacy: 117.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G1

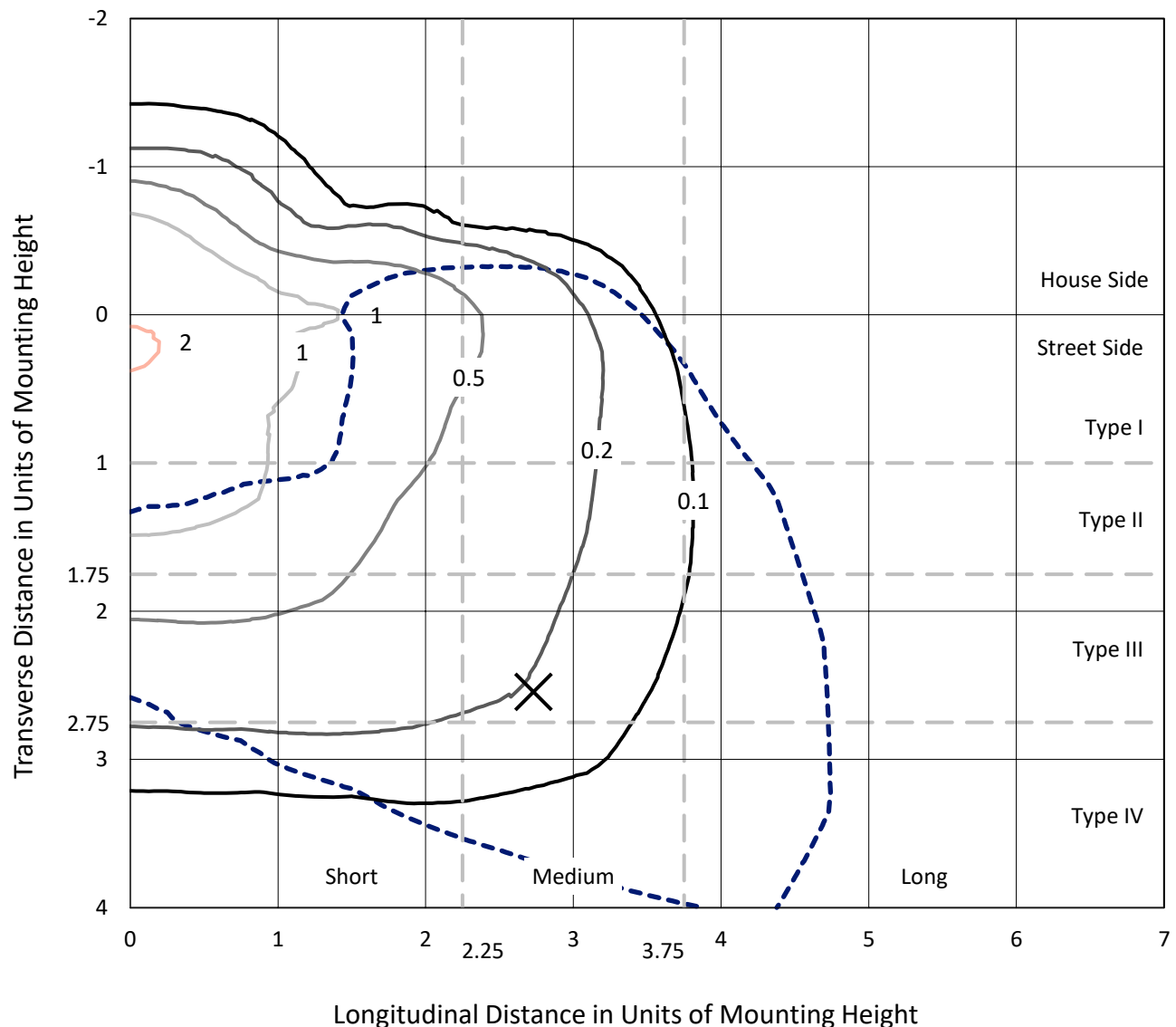
Input Watts (W): 32
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

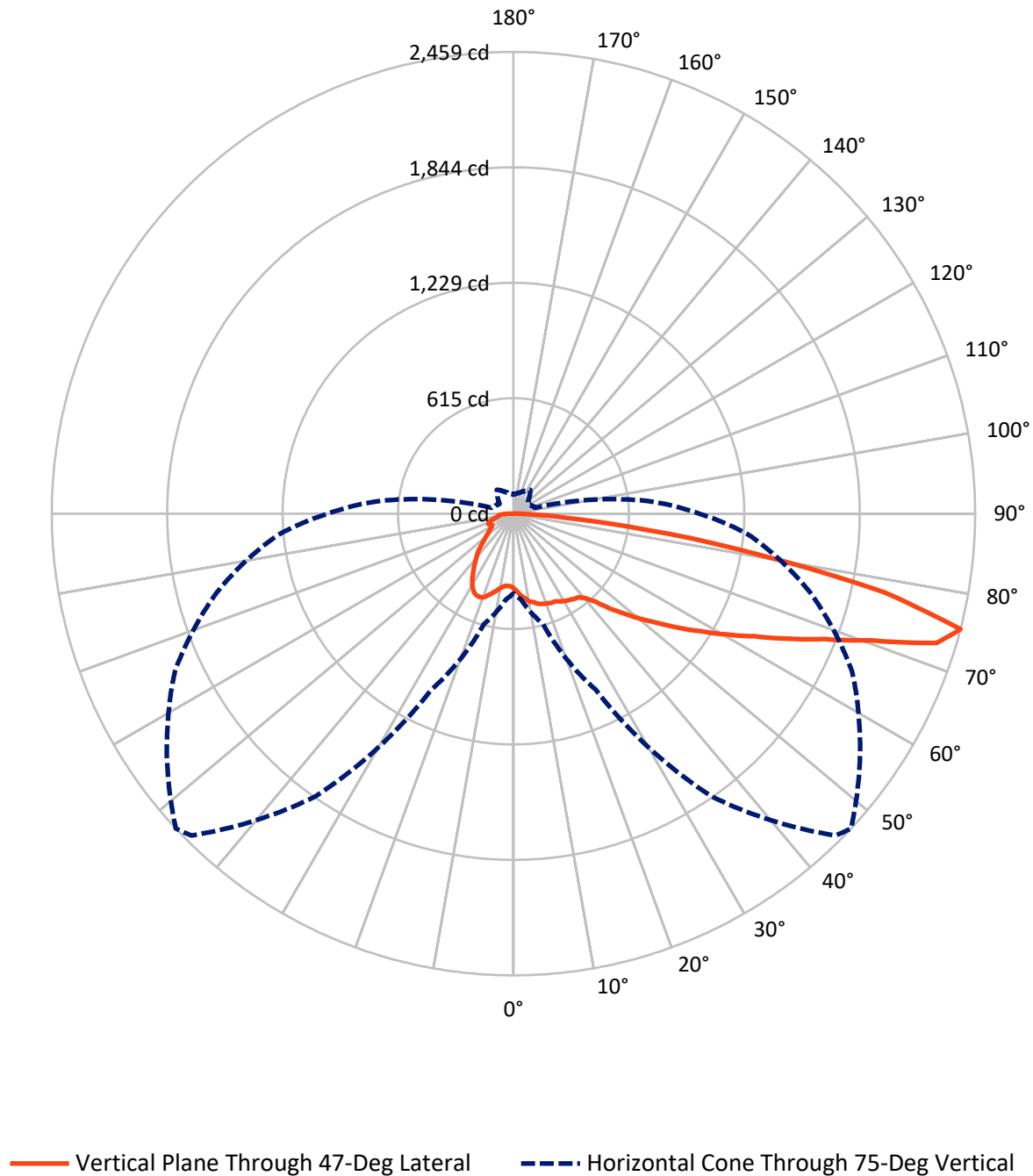
× Max cd
 --- 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.3 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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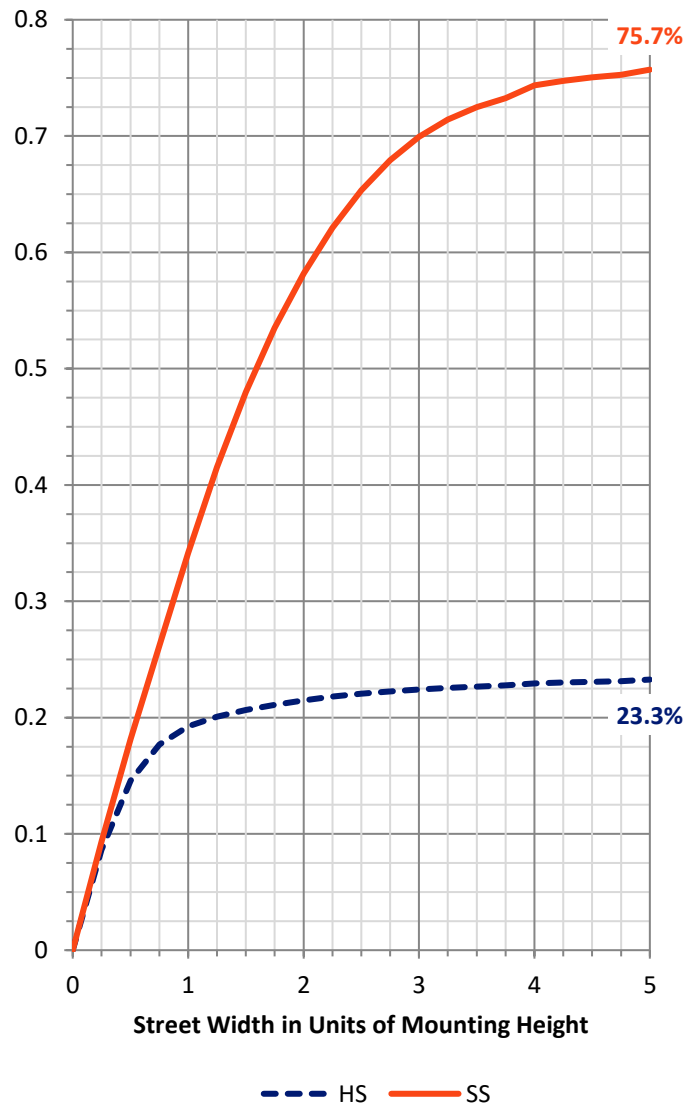
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	898.8	0.0	898.8
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	2859.6	0.0	2859.6
	% Fixture	76.1	0.0	76.1
Total	Lumens	3758.4	0.0	3758.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.3	1.1
10°-20°	134.0	3.6
20°-30°	229.5	6.1
30°-40°	321.1	8.5
40°-50°	447.7	11.9
50°-60°	669.1	17.8
60°-70°	964.7	25.7
70°-80°	821.2	21.8
80°-90°	130.8	3.5
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°	3758.4	100.0
0°-180°	3758.4	100.0



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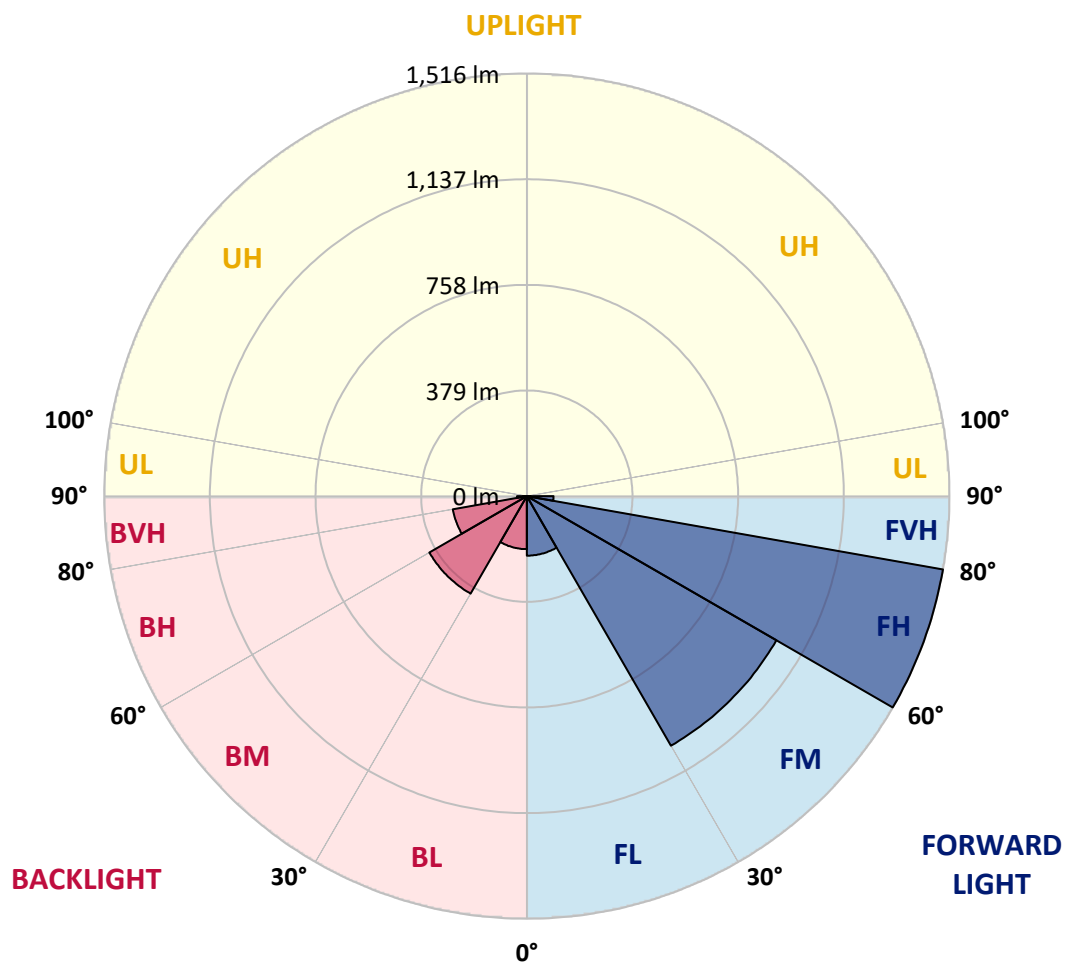
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	213.5	5.7			
FM	(30°-60°)	1033.9	27.5			
FH	(60°-80°)	1516.3	40.3			G1/1800
FVH	(80°-90°)	95.8	2.6			G1/100
BL	(0°-30°)	190.2	5.1	B1/500		
BM	(30°-60°)	404.0	10.7	B1/1000		
BH	(60°-80°)	269.6	7.2	B1/500		G1/500
BVH	(80°-90°)	35.0	0.9			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 IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	399.1	399.1	399.1	399.1	399.1	399.1	399.1	399.1	399.1	399.1	399.1
2.5°	427.9	429.2	429.2	426.5	423.7	418.3	418.3	412.8	410.0	403.2	400.4
5°	467.6	463.5	459.4	458.0	451.2	441.6	440.2	434.7	419.6	412.8	403.2
7.5°	496.4	495.1	493.7	488.2	475.9	460.8	456.7	448.4	433.3	419.6	408.7
10°	519.7	525.2	519.7	507.4	495.1	478.6	477.2	462.1	448.4	432.0	418.3
12.5°	545.8	547.2	537.6	522.5	503.3	489.6	484.1	478.6	463.5	449.8	429.2
15°	563.6	560.9	554.0	533.5	511.5	497.8	499.2	492.3	475.9	466.3	444.3
17.5°	563.6	563.6	552.7	537.6	518.4	506.0	506.0	501.9	490.9	477.2	462.1
20°	552.7	552.7	545.8	537.6	515.6	512.9	510.1	507.4	507.4	495.1	473.1
22.5°	538.9	536.2	538.9	525.2	510.1	512.9	517.0	515.6	511.5	500.5	485.5
25°	525.2	526.6	529.3	519.7	506.0	518.4	517.0	523.9	521.1	512.9	500.5
27.5°	523.9	526.6	528.0	518.4	512.9	523.9	529.3	536.2	537.6	529.3	514.3
30°	544.4	543.1	541.7	529.3	525.2	534.8	540.3	549.9	558.1	540.3	528.0
32.5°	597.9	589.7	581.5	548.5	536.2	543.1	548.5	562.3	563.6	554.0	536.2
35°	682.9	677.4	650.0	592.4	558.1	551.3	556.8	566.4	569.1	562.3	548.5
37.5°	780.3	777.6	739.2	669.2	603.4	570.5	565.0	578.7	589.7	574.6	555.4
40°	876.3	865.3	837.9	769.3	661.0	599.3	592.4	599.3	603.4	592.4	580.1
42.5°	962.7	950.3	943.5	874.9	736.4	647.3	641.8	625.3	637.7	624.0	607.5
45°	1035.4	1032.6	1029.9	970.9	822.8	725.4	721.3	678.8	692.5	681.6	658.2
47.5°	1087.5	1099.8	1095.7	1062.8	921.5	809.1	796.8	741.9	762.5	751.5	728.2
50°	1149.2	1156.0	1151.9	1130.0	1013.4	905.1	881.8	825.6	848.9	847.5	835.2
52.5°	1204.0	1224.6	1201.3	1199.9	1145.1	1009.3	969.5	916.1	954.5	969.5	968.2
55°	1268.5	1285.0	1278.1	1275.4	1263.0	1110.8	1075.1	1010.7	1075.1	1097.1	1116.3
57.5°	1323.3	1322.0	1348.0	1379.6	1394.7	1227.4	1184.8	1109.4	1206.8	1231.5	1285.0
60°	1348.0	1371.3	1415.2	1494.8	1537.3	1352.1	1308.3	1247.9	1339.8	1359.0	1457.7
62.5°	1364.5	1385.1	1470.1	1604.5	1629.2	1479.7	1438.5	1378.2	1485.2	1498.9	1645.6
65°	1319.2	1338.4	1507.1	1645.6	1733.4	1616.8	1607.2	1544.1	1630.5	1638.8	1843.1
67.5°	1267.1	1287.7	1475.6	1697.7	1871.9	1799.2	1784.1	1708.7	1774.5	1764.9	1993.9
70°	1175.2	1202.7	1394.7	1743.0	2025.5	2054.3	2024.1	1917.1	1924.0	1833.5	2000.8
72.5°	895.5	913.3	1091.6	1563.3	2096.8	2408.1	2356.0	2142.0	2063.9	1847.2	1766.3
75°	425.1	458.0	608.9	1034.0	1837.6	2424.5	2458.8	2253.1	1989.8	1638.8	1252.0
77.5°	123.4	123.4	185.1	438.8	1151.9	1954.2	2018.6	1913.0	1641.5	1213.6	658.2
80°	67.2	71.3	97.4	155.0	506.0	1232.8	1326.1	1268.5	966.8	480.0	170.0
82.5°	38.4	39.8	64.5	93.3	230.4	670.6	725.4	658.2	367.5	145.4	79.5
85°	21.9	23.3	37.0	61.7	137.1	246.8	268.8	233.1	148.1	97.4	39.8
87.5°	11.0	11.0	17.8	28.8	69.9	69.9	68.6	83.7	89.1	59.0	17.8
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°	399.1	399.1	399.1	399.1	399.1	399.1	399.1	399.1	399.1	399.1	399.1
2.5°	399.1	397.7	397.7	392.2	390.8	386.7	386.7	384.0	382.6	386.7	386.7
5°	400.4	393.6	392.2	386.7	388.1	385.3	390.8	388.1	386.7	386.7	385.3
7.5°	403.2	396.3	390.8	386.7	385.3	389.5	396.3	396.3	404.5	400.4	400.4
10°	410.0	405.9	399.1	396.3	396.3	400.4	408.7	414.1	421.0	421.0	416.9
12.5°	426.5	419.6	411.4	407.3	412.8	416.9	425.1	430.6	438.8	441.6	438.8
15°	438.8	432.0	429.2	426.5	430.6	436.1	442.9	448.4	458.0	460.8	459.4
17.5°	455.3	447.1	445.7	447.1	449.8	453.9	458.0	462.1	469.0	469.0	469.0
20°	463.5	460.8	459.4	463.5	469.0	474.5	471.7	469.0	467.6	470.4	469.0
22.5°	478.6	475.9	477.2	481.3	481.3	478.6	474.5	464.9	462.1	464.9	462.1
25°	492.3	489.6	489.6	486.8	485.5	475.9	467.6	459.4	449.8	453.9	452.5
27.5°	506.0	504.7	504.7	493.7	480.0	463.5	452.5	442.9	437.5	444.3	440.2
30°	522.5	523.9	517.0	490.9	458.0	440.2	427.9	426.5	425.1	429.2	427.9
32.5°	537.6	538.9	528.0	486.8	441.6	407.3	394.9	396.3	403.2	410.0	416.9
35°	545.8	552.7	538.9	473.1	408.7	370.3	356.6	368.9	381.2	390.8	397.7
37.5°	560.9	578.7	555.4	458.0	379.9	337.4	327.8	331.9	347.0	362.0	368.9
40°	582.8	603.4	559.5	429.2	341.5	304.4	299.0	300.3	305.8	315.4	322.3
42.5°	621.2	643.2	563.6	392.2	303.1	283.9	268.8	264.7	260.6	260.6	259.2
45°	677.4	698.0	558.1	345.6	264.7	251.0	240.0	230.4	219.4	201.6	204.3
47.5°	759.7	776.2	562.3	304.4	229.0	218.0	209.8	198.8	182.4	163.2	161.8
50°	884.5	859.8	556.8	261.9	203.0	193.4	186.5	171.4	152.2	138.5	137.1
52.5°	1029.9	980.5	551.3	226.3	181.0	172.8	167.3	150.8	133.0	126.2	124.8
55°	1205.4	1134.1	559.5	194.7	164.6	157.7	152.2	137.1	123.4	117.9	116.6
57.5°	1412.5	1300.0	604.8	170.0	146.7	144.0	142.6	130.3	117.9	113.8	112.5
60°	1607.2	1459.1	634.9	152.2	130.3	133.0	135.8	130.3	116.6	113.8	113.8
62.5°	1770.4	1590.8	586.9	137.1	122.0	130.3	142.6	138.5	133.0	135.8	133.0
65°	1914.4	1636.0	438.8	128.9	117.9	137.1	157.7	156.3	144.0	146.7	145.4
67.5°	1939.1	1581.2	286.6	122.0	115.2	150.8	176.9	160.4	135.8	135.8	131.6
70°	1836.2	1434.4	192.0	115.2	113.8	150.8	181.0	150.8	127.5	127.5	122.0
72.5°	1507.1	1146.4	148.1	108.3	104.2	134.4	171.4	142.6	119.3	116.6	107.0
75°	990.1	739.2	120.7	102.9	90.5	117.9	155.0	131.6	113.8	105.6	101.5
77.5°	485.5	331.9	101.5	90.5	78.2	102.9	141.2	124.8	107.0	98.7	96.0
80°	133.0	119.3	85.0	79.5	65.8	89.1	133.0	119.3	100.1	91.9	87.8
82.5°	75.4	74.1	68.6	64.5	54.9	89.1	134.4	119.3	94.6	93.3	79.5
85°	41.1	43.9	49.4	48.0	42.5	79.5	127.5	104.2	76.8	64.5	64.5
87.5°	16.5	20.6	24.7	27.4	28.8	59.0	96.0	79.5	59.0	49.4	49.4
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)