

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: P675290

Luminaire Tested: **CCW-SA-1C-760-U-T4W**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675290
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1C-760-U-T4W
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @615mA w/
T4W distribution lens
Light Source: (16) 5700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

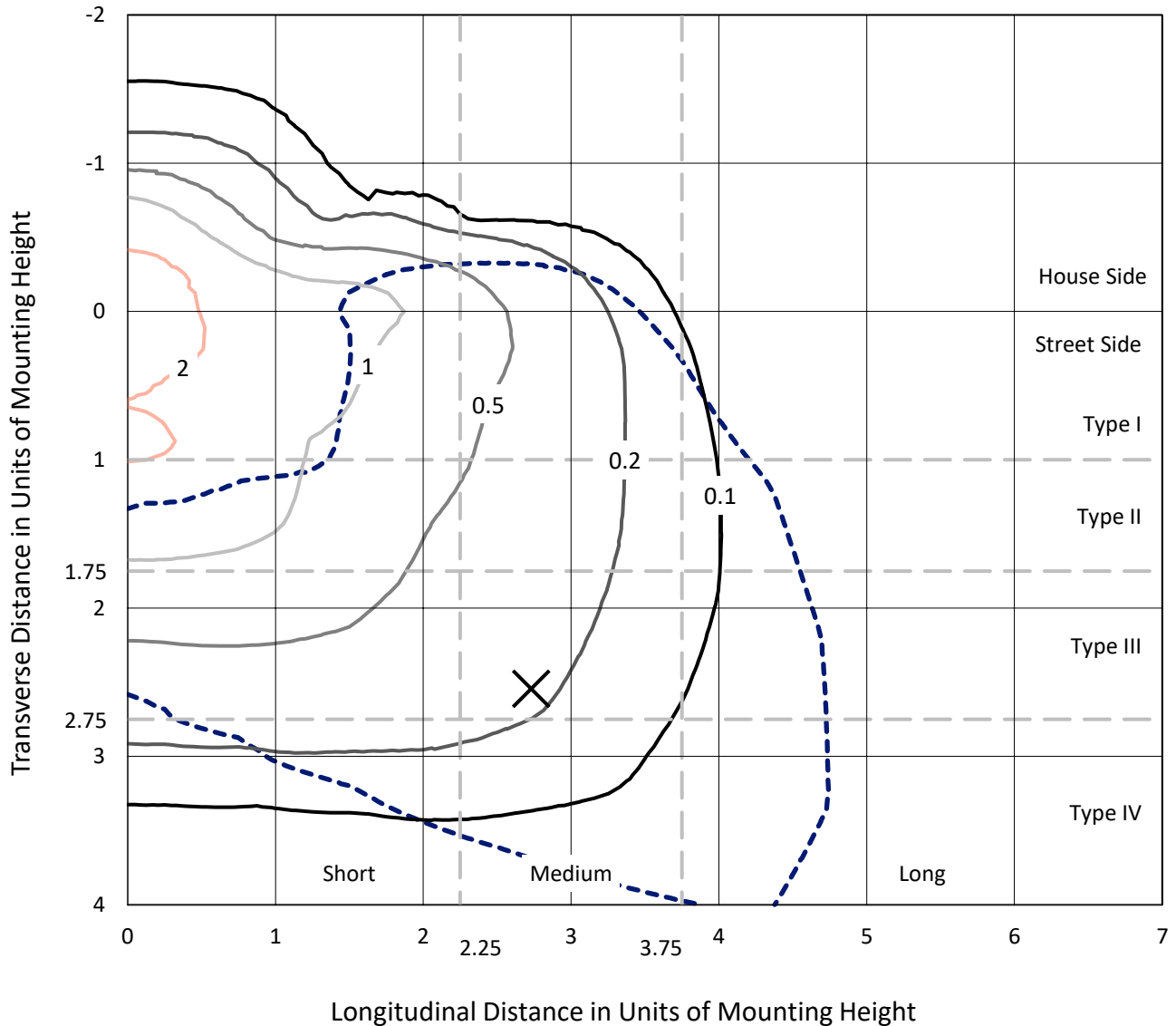
Lumens per Lamp: N/A
Luminaire Lumens: 4665.6 lumens
Efficiency: N/A
Efficacy: 145.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

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

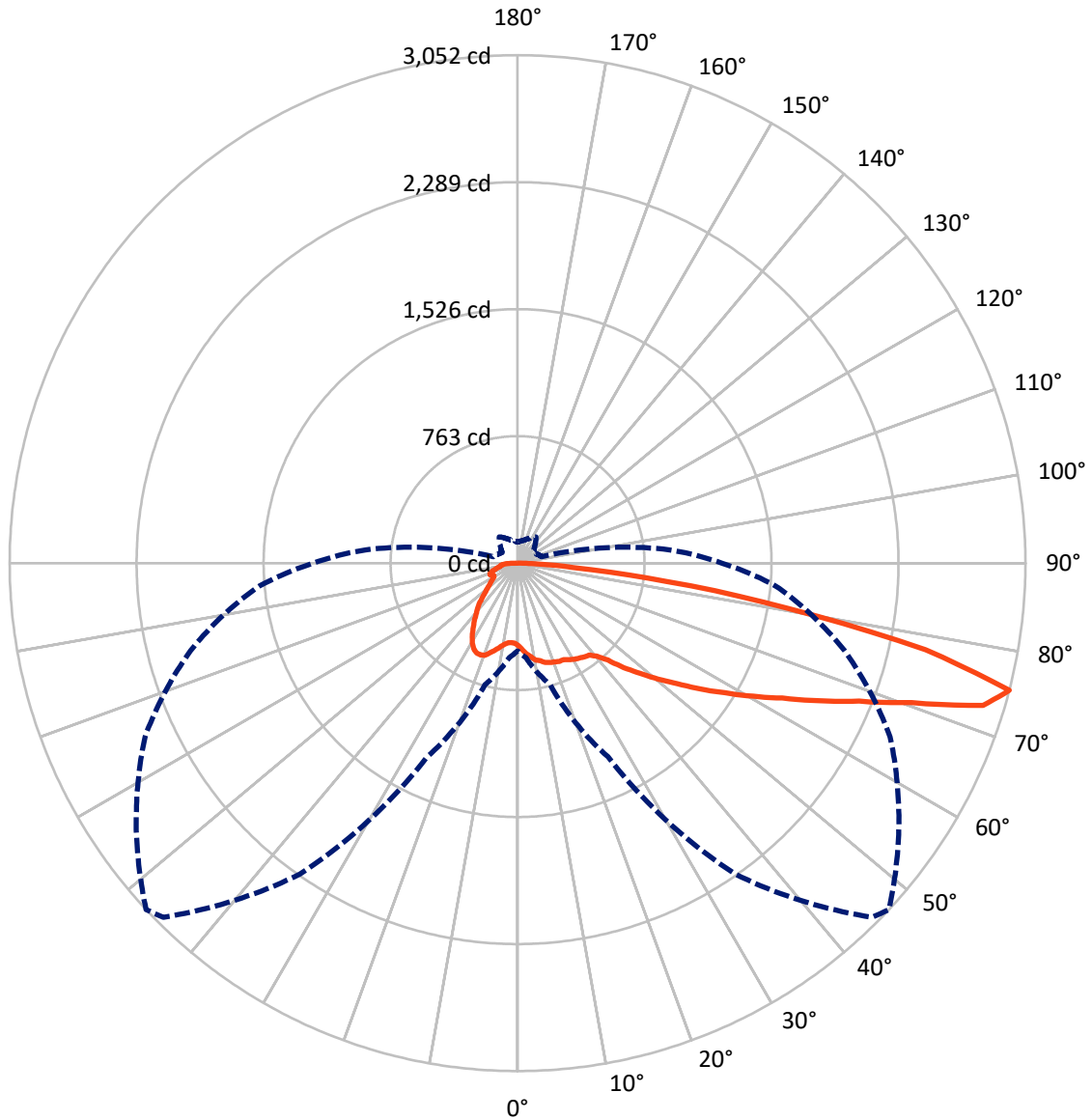
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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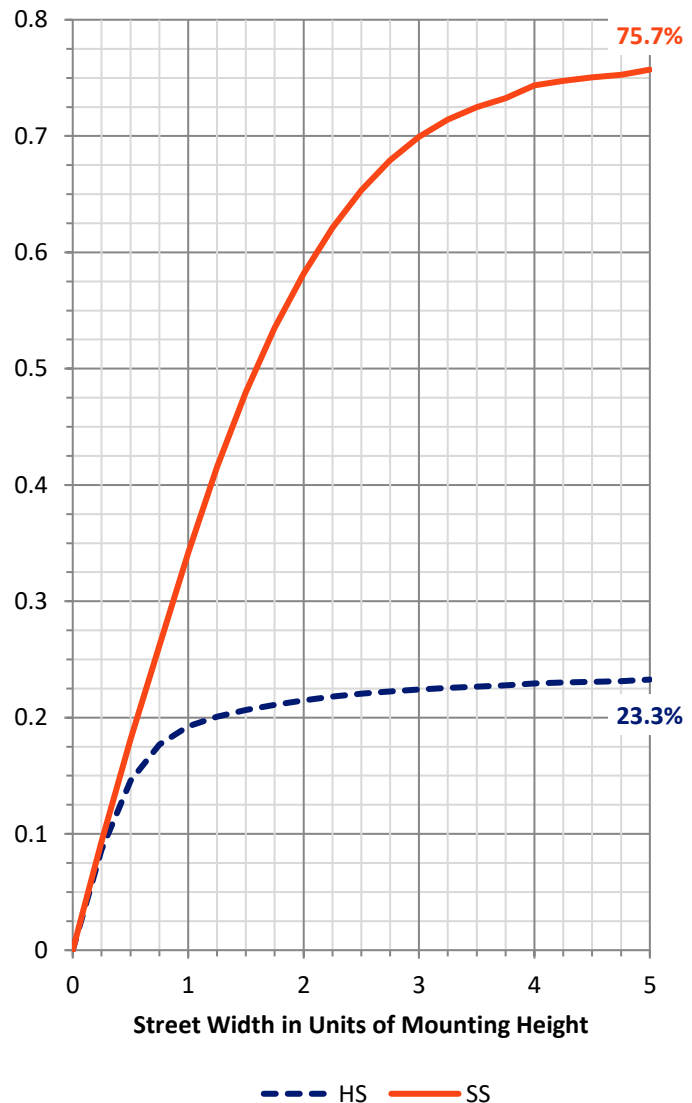
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1115.8	0.0	1115.8
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	3549.8	0.0	3549.8
	% Fixture	76.1	0.0	76.1
Total	Lumens	4665.6	0.0	4665.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.1	1.1
10°-20°	166.3	3.6
20°-30°	284.9	6.1
30°-40°	398.6	8.5
40°-50°	555.7	11.9
50°-60°	830.7	17.8
60°-70°	1197.6	25.7
70°-80°	1019.4	21.8
80°-90°	162.4	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°	4665.6	100.0
0°-180°	4665.6	100.0

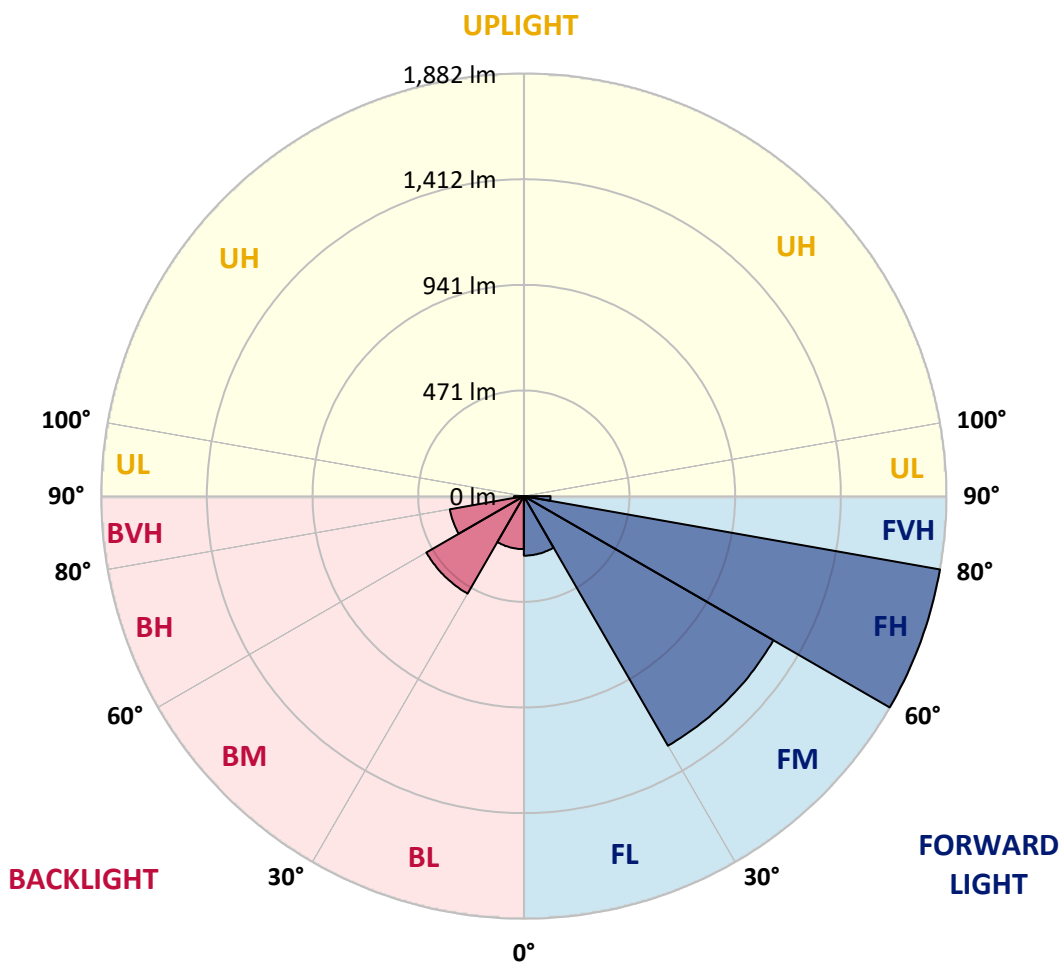


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	265.1	5.7			
FM (30°-60°)	1283.5	27.5			
FH (60°-80°)	1882.3	40.3			G2/5000
FVH (80°-90°)	119.0	2.6			G2/225
BL (0°-30°)	236.2	5.1	B1/500		
BM (30°-60°)	501.5	10.7	B1/1000		
BH (60°-80°)	334.7	7.2	B1/500		G1/500
BVH (80°-90°)	43.4	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-G2
 Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	495.4	495.4	495.4	495.4	495.4	495.4	495.4	495.4	495.4	495.4	495.4
2.5°	531.1	532.8	532.8	529.4	526.0	519.2	519.2	512.4	509.0	500.5	497.1
5°	580.5	575.4	570.3	568.6	560.1	548.2	546.5	539.7	520.9	512.4	500.5
7.5°	616.3	614.6	612.9	606.0	590.7	572.0	566.9	556.7	537.9	520.9	507.3
10°	645.2	652.0	645.2	629.9	614.6	594.1	592.4	573.7	556.7	536.2	519.2
12.5°	677.5	679.2	667.3	648.6	624.8	607.7	600.9	594.1	575.4	558.4	532.8
15°	699.7	696.3	687.8	662.2	635.0	618.0	619.7	611.1	590.7	578.8	551.6
17.5°	699.7	699.7	686.1	667.3	643.5	628.2	628.2	623.1	609.4	592.4	573.7
20°	686.1	686.1	677.5	667.3	640.1	636.7	633.3	629.9	629.9	614.6	587.3
22.5°	669.0	665.6	669.0	652.0	633.3	636.7	641.8	640.1	635.0	621.4	602.6
25°	652.0	653.7	657.1	645.2	628.2	643.5	641.8	650.3	646.9	636.7	621.4
27.5°	650.3	653.7	655.4	643.5	636.7	650.3	657.1	665.6	667.3	657.1	638.4
30°	675.8	674.1	672.4	657.1	652.0	663.9	670.7	682.6	692.9	670.7	655.4
32.5°	742.2	732.0	721.8	680.9	665.6	674.1	680.9	698.0	699.7	687.8	665.6
35°	847.8	841.0	806.9	735.4	692.9	684.4	691.2	703.1	706.5	698.0	680.9
37.5°	968.6	965.2	917.6	830.8	749.0	708.2	701.4	718.4	732.0	713.3	689.5
40°	1087.8	1074.2	1040.1	955.0	820.5	743.9	735.4	743.9	749.0	735.4	720.1
42.5°	1195.1	1179.7	1171.2	1086.1	914.2	803.5	796.7	776.3	791.6	774.6	754.1
45°	1285.3	1281.9	1278.5	1205.3	1021.4	900.6	895.4	842.7	859.7	846.1	817.1
47.5°	1350.0	1365.3	1360.2	1319.3	1144.0	1004.4	989.1	921.0	946.5	932.9	904.0
50°	1426.6	1435.1	1430.0	1402.8	1258.0	1123.6	1094.6	1024.8	1053.8	1052.1	1036.7
52.5°	1494.7	1520.2	1491.3	1489.6	1421.5	1252.9	1203.6	1137.2	1184.8	1203.6	1201.9
55°	1574.7	1595.1	1586.6	1583.2	1567.9	1378.9	1334.7	1254.6	1334.7	1361.9	1385.7
57.5°	1642.8	1641.1	1673.4	1712.6	1731.3	1523.6	1470.8	1377.2	1498.1	1528.7	1595.1
60°	1673.4	1702.4	1756.8	1855.6	1908.4	1678.5	1624.1	1549.2	1663.2	1687.0	1809.6
62.5°	1693.9	1719.4	1824.9	1991.8	2022.4	1836.9	1785.8	1710.9	1843.7	1860.7	2042.8
65°	1637.7	1661.5	1870.9	2042.8	2151.8	2007.1	1995.2	1916.9	2024.1	2034.3	2288.0
67.5°	1573.0	1598.5	1831.7	2107.5	2323.7	2233.5	2214.8	2121.1	2202.9	2190.9	2475.2
70°	1458.9	1493.0	1731.3	2163.7	2514.4	2550.1	2512.7	2379.9	2388.4	2276.1	2483.8
72.5°	1111.6	1133.8	1355.1	1940.7	2602.9	2989.4	2924.7	2659.1	2562.1	2293.1	2192.6
75°	527.7	568.6	755.9	1283.6	2281.2	3009.8	3052.3	2797.0	2470.1	2034.3	1554.3
77.5°	153.2	153.2	229.8	544.8	1430.0	2425.9	2505.9	2374.8	2037.7	1506.6	817.1
80°	83.4	88.5	120.9	192.4	628.2	1530.4	1646.2	1574.7	1200.2	595.8	211.1
82.5°	47.7	49.4	80.0	115.8	286.0	832.5	900.6	817.1	456.2	180.5	98.7
85°	27.2	28.9	46.0	76.6	170.2	306.4	333.7	289.4	183.9	120.9	49.4
87.5°	13.6	13.6	22.1	35.7	86.8	86.8	85.1	103.8	110.7	73.2	22.1
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°	495.4	495.4	495.4	495.4	495.4	495.4	495.4	495.4	495.4	495.4	495.4
2.5°	495.4	493.7	493.7	486.9	485.2	480.1	480.1	476.7	475.0	480.1	480.1
5°	497.1	488.6	486.9	480.1	481.8	478.4	485.2	481.8	480.1	480.1	478.4
7.5°	500.5	492.0	485.2	480.1	478.4	483.5	492.0	492.0	502.2	497.1	497.1
10°	509.0	503.9	495.4	492.0	492.0	497.1	507.3	514.1	522.6	522.6	517.5
12.5°	529.4	520.9	510.7	505.6	512.4	517.5	527.7	534.5	544.8	548.2	544.8
15°	544.8	536.2	532.8	529.4	534.5	541.4	549.9	556.7	568.6	572.0	570.3
17.5°	565.2	555.0	553.3	555.0	558.4	563.5	568.6	573.7	582.2	582.2	582.2
20°	575.4	572.0	570.3	575.4	582.2	589.0	585.6	582.2	580.5	583.9	582.2
22.5°	594.1	590.7	592.4	597.5	597.5	594.1	589.0	577.1	573.7	577.1	573.7
25°	611.1	607.7	607.7	604.3	602.6	590.7	580.5	570.3	558.4	563.5	561.8
27.5°	628.2	626.5	626.5	612.9	595.8	575.4	561.8	549.9	543.1	551.6	546.5
30°	648.6	650.3	641.8	609.4	568.6	546.5	531.1	529.4	527.7	532.8	531.1
32.5°	667.3	669.0	655.4	604.3	548.2	505.6	490.3	492.0	500.5	509.0	517.5
35°	677.5	686.1	669.0	587.3	507.3	459.6	442.6	457.9	473.3	485.2	493.7
37.5°	696.3	718.4	689.5	568.6	471.6	418.8	406.9	412.0	430.7	449.4	457.9
40°	723.5	749.0	694.6	532.8	423.9	377.9	371.1	372.8	379.6	391.5	400.1
42.5°	771.2	798.4	699.7	486.9	376.2	352.4	333.7	328.6	323.4	323.4	321.7
45°	841.0	866.5	692.9	429.0	328.6	311.5	297.9	286.0	272.4	250.2	253.7
47.5°	943.1	963.5	698.0	377.9	284.3	270.7	260.5	246.8	226.4	202.6	200.9
50°	1098.0	1067.4	691.2	325.2	252.0	240.0	231.5	212.8	189.0	171.9	170.2
52.5°	1278.5	1217.2	684.4	280.9	224.7	214.5	207.7	187.3	165.1	156.6	154.9
55°	1496.4	1407.9	694.6	241.7	204.3	195.8	189.0	170.2	153.2	146.4	144.7
57.5°	1753.4	1613.8	750.7	211.1	182.2	178.7	177.0	161.7	146.4	141.3	139.6
60°	1995.2	1811.3	788.2	189.0	161.7	165.1	168.5	161.7	144.7	141.3	141.3
62.5°	2197.8	1974.7	728.6	170.2	151.5	161.7	177.0	171.9	165.1	168.5	165.1
65°	2376.5	2030.9	544.8	160.0	146.4	170.2	195.8	194.1	178.7	182.2	180.5
67.5°	2407.1	1962.8	355.8	151.5	143.0	187.3	219.6	199.2	168.5	168.5	163.4
70°	2279.5	1780.7	238.3	143.0	141.3	187.3	224.7	187.3	158.3	158.3	151.5
72.5°	1870.9	1423.2	183.9	134.5	129.4	166.8	212.8	177.0	148.1	144.7	132.8
75°	1229.1	917.6	149.8	127.7	112.4	146.4	192.4	163.4	141.3	131.1	126.0
77.5°	602.6	412.0	126.0	112.4	97.0	127.7	175.3	154.9	132.8	122.6	119.2
80°	165.1	148.1	105.5	98.7	81.7	110.7	165.1	148.1	124.3	114.1	109.0
82.5°	93.6	91.9	85.1	80.0	68.1	110.7	166.8	148.1	117.5	115.8	98.7
85°	51.1	54.5	61.3	59.6	52.8	98.7	158.3	129.4	95.3	80.0	80.0
87.5°	20.4	25.5	30.6	34.0	35.7	73.2	119.2	98.7	73.2	61.3	61.3
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)