

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: P676425

Luminaire Tested: **CCW-SA-2B-740-U-T3-HSS**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P676425  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-2B-740-U-T3-HSS  
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @450mA w/  
T3 distribution lens and House Side Shield  
Light Source: (32) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

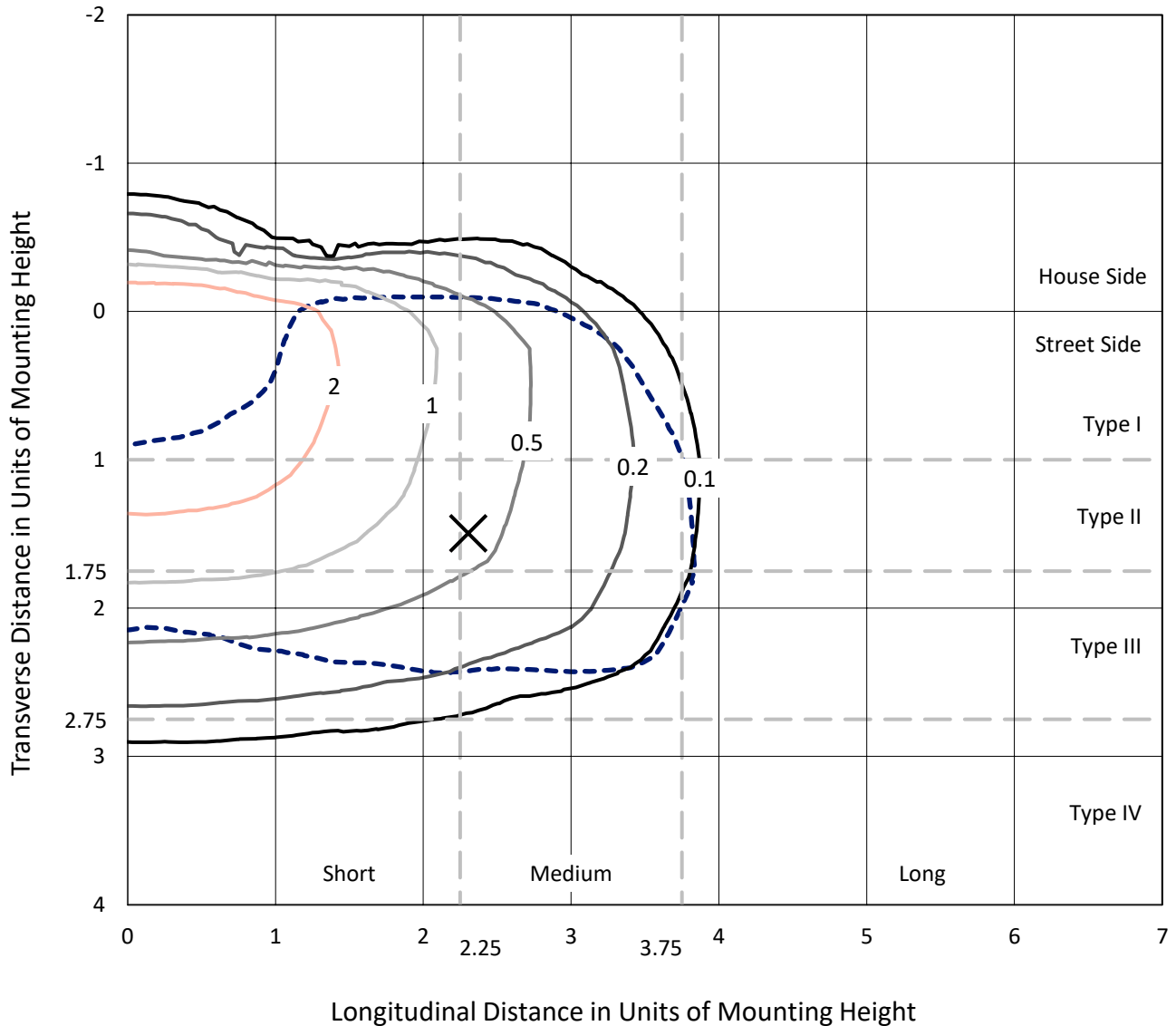
Lumens per Lamp: N/A  
Luminaire Lumens: 4975.3 lumens  
Efficiency: N/A  
Efficacy: 108.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 46  
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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 CATALOG NUMBER: CCW-SA-2B-740-U-T3-HSS

### Iso-Footcandle Lines of Horizontal Illumination

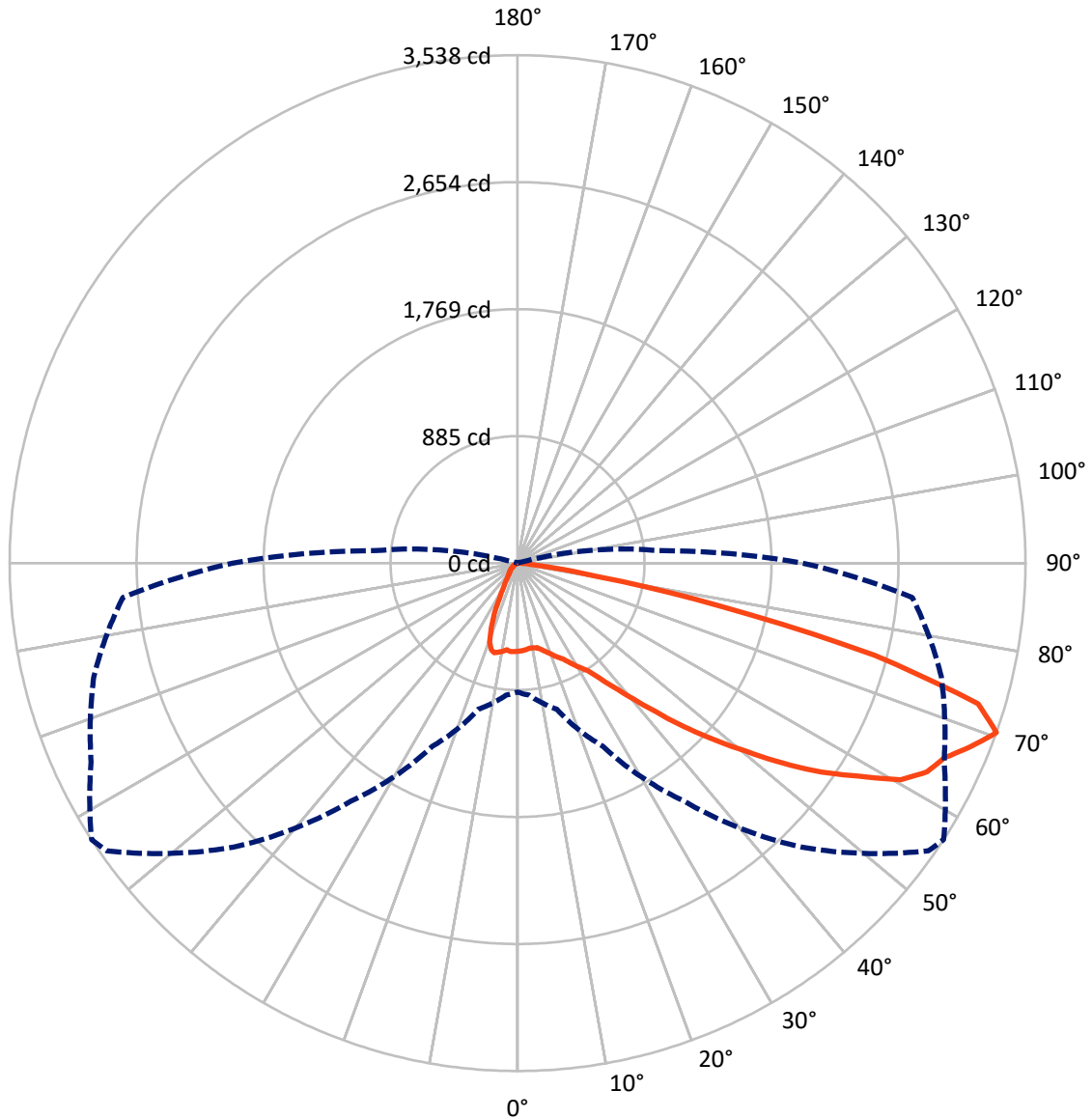
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.5 fc  
 Type III - Medium - N/A

REPORT NUMBER: P676425  
CATALOG NUMBER: CCW-SA-2B-740-U-T3-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P676425  
 CATALOG NUMBER: CCW-SA-2B-740-U-T3-HSS

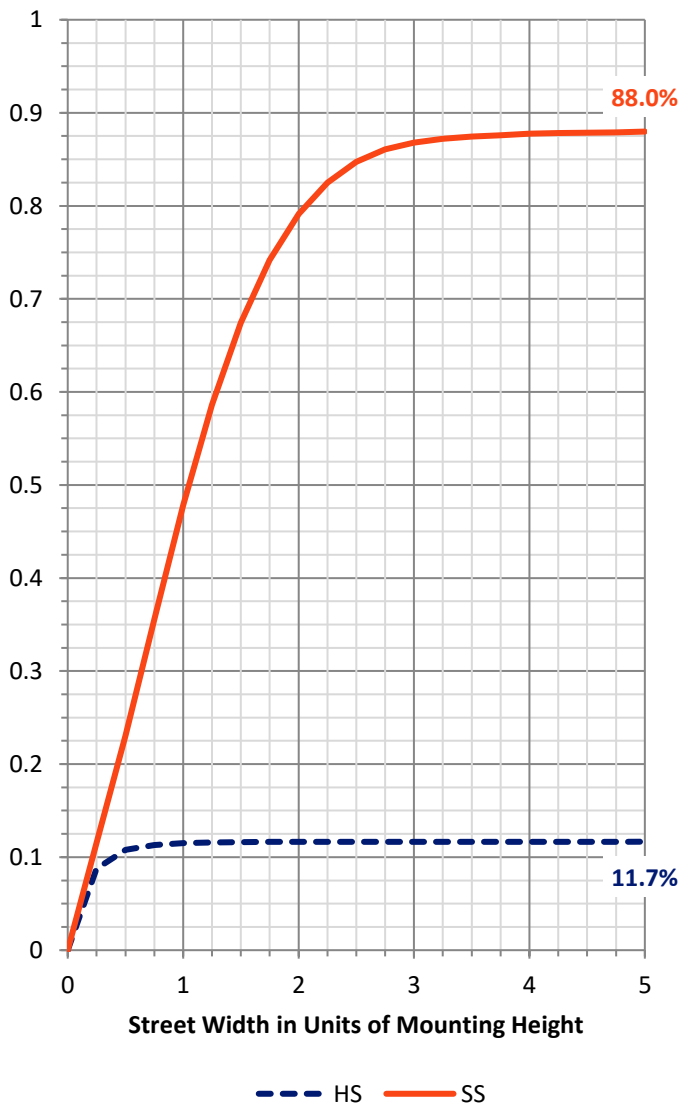
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	586.5	0.0	586.5
	% Fixture	11.8	0.0	11.8
<b>Street Side</b>	Lumens	4388.9	0.0	4388.9
	% Fixture	88.2	0.0	88.2
<b>Total</b>	Lumens	4975.3	0.0	4975.3
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	57.4	1.2
10°-20°	160.4	3.2
20°-30°	270.2	5.4
30°-40°	462.4	9.3
40°-50°	776.4	15.6
50°-60°	1191.8	24.0
60°-70°	1376.0	27.7
70°-80°	650.0	13.1
80°-90°	30.8	0.6
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°	4975.3	100.0
0°-180°	4975.3	100.0



REPORT NUMBER: P676425

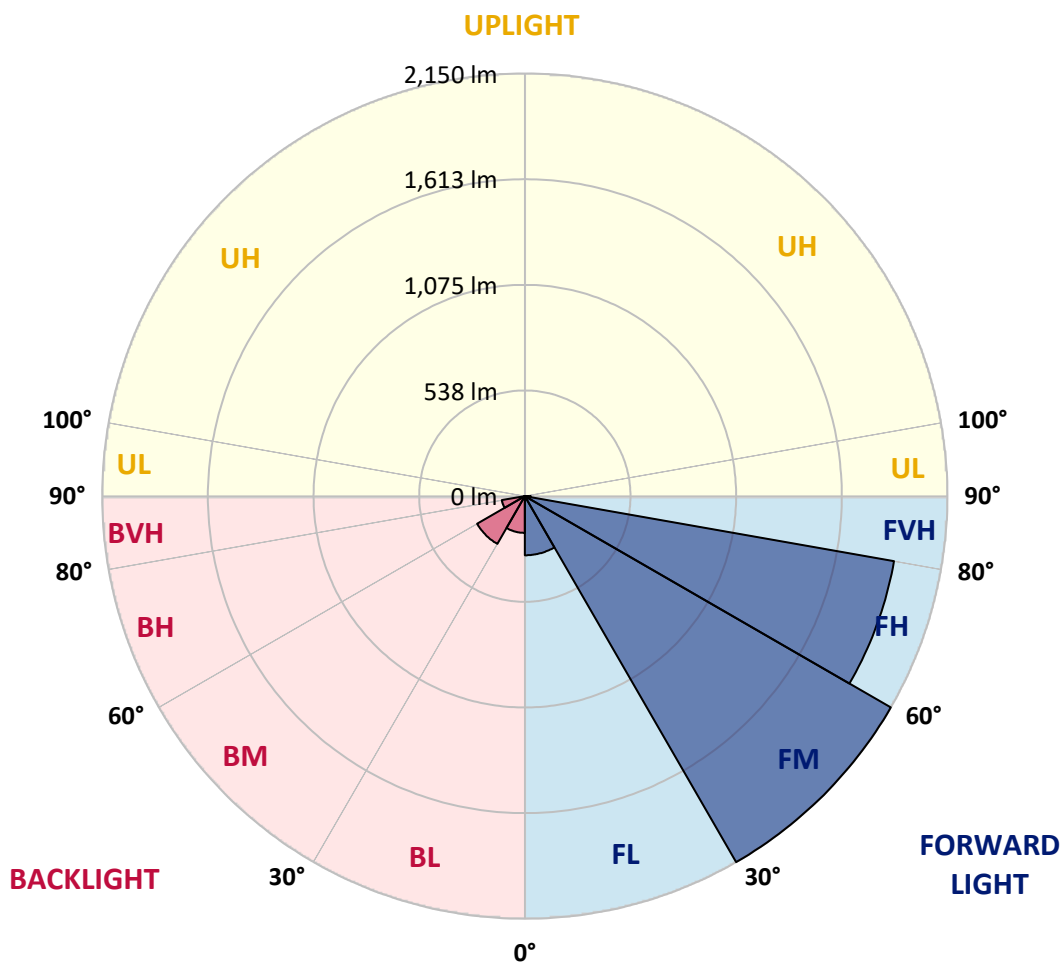
CATALOG NUMBER: CCW-SA-2B-740-U-T3-HSS

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	301.0	6.0			
FM (30°-60°)	2150.3	43.2			
FH (60°-80°)	1907.3	38.3			G2/5000
FVH (80°-90°)	30.3	0.6			G1/100
BL (0°-30°)	187.0	3.8	B1/500		
BM (30°-60°)	280.3	5.6	B1/1000		
BH (60°-80°)	118.6	2.4	B1/500		G1/500
BVH (80°-90°)	0.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type III Medium





REPORT NUMBER: P676425

CATALOG NUMBER: CCW-SA-2B-740-U-T3-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	613.9	613.9	613.9	613.9	613.9	613.9	613.9	613.9	613.9	613.9	613.9
2.5°	605.0	601.2	605.0	610.1	605.0	608.8	607.5	611.3	606.3	606.3	610.1
5°	565.6	571.9	574.5	580.8	587.2	598.6	606.3	606.3	613.9	617.7	622.8
7.5°	551.6	541.4	551.6	556.7	563.0	582.1	593.6	598.6	608.8	622.8	630.4
10°	531.3	538.9	538.9	555.4	564.3	575.8	596.1	599.9	622.8	636.8	644.4
12.5°	530.0	530.0	536.4	547.8	565.6	587.2	612.6	605.0	629.1	654.6	667.3
15°	533.8	542.7	542.7	558.0	571.9	602.4	624.1	625.3	659.6	685.1	696.5
17.5°	550.3	546.5	551.6	560.5	582.1	611.3	646.9	650.7	690.1	724.5	741.0
20°	584.7	591.0	583.4	578.3	587.2	625.3	671.1	678.7	723.2	756.2	772.8
22.5°	713.0	707.9	677.4	641.8	626.6	644.4	694.0	711.8	763.9	803.3	817.2
25°	857.9	849.0	813.4	760.1	690.1	682.5	739.7	739.7	814.7	857.9	854.1
27.5°	995.2	992.6	950.7	894.8	795.6	741.0	776.6	790.6	871.9	907.5	891.0
30°	1135.0	1137.5	1099.4	1032.0	927.8	835.0	828.7	840.1	915.1	971.0	936.7
32.5°	1297.7	1274.8	1248.1	1155.3	1060.0	955.8	896.0	891.0	963.4	1014.2	968.5
35°	1442.6	1428.6	1399.4	1315.5	1206.2	1081.6	997.7	985.0	1024.4	1091.8	1042.2
37.5°	1569.7	1555.7	1517.6	1461.6	1376.5	1237.9	1119.7	1100.7	1117.2	1188.4	1128.6
40°	1679.0	1682.8	1672.6	1618.0	1539.2	1413.3	1277.3	1246.8	1232.9	1296.4	1229.0
42.5°	1757.8	1794.6	1797.2	1729.8	1666.3	1597.6	1445.1	1421.0	1387.9	1441.3	1394.3
45°	1923.0	1902.7	1915.4	1891.2	1821.3	1811.2	1638.3	1624.3	1578.6	1596.4	1546.8
47.5°	2052.6	2048.8	2073.0	2033.6	2014.5	2015.8	1858.2	1834.0	1769.2	1802.3	1746.3
50°	2127.6	2107.3	2195.0	2225.5	2221.7	2236.9	2080.6	2060.3	1998.0	2046.3	1926.8
52.5°	2145.4	2182.3	2264.9	2375.5	2422.5	2454.3	2323.4	2315.7	2248.4	2278.9	2113.7
55°	2189.9	2225.5	2273.8	2455.6	2629.7	2637.3	2562.3	2569.9	2510.2	2502.6	2291.6
57.5°	2188.6	2181.0	2314.5	2525.5	2766.9	2876.2	2835.6	2798.7	2733.9	2658.9	2406.0
60°	2108.6	2104.8	2243.3	2534.4	2841.9	3092.3	3108.8	3065.6	2902.9	2792.4	2540.7
62.5°	1949.7	1965.0	2104.8	2458.1	2913.1	3169.8	3230.9	3201.6	2999.5	2881.3	2699.6
65°	1767.9	1736.2	1898.9	2267.4	2753.0	3147.0	3279.2	3269.0	3113.9	2977.9	2845.7
67.5°	1418.4	1432.4	1557.0	1951.0	2479.7	3063.1	3392.3	3407.5	3205.4	3063.1	2890.2
70°	898.6	924.0	1053.7	1409.5	2024.7	2798.7	3494.0	3538.4	3277.9	3055.5	2760.6
72.5°	261.8	272.0	448.7	702.9	1290.1	2244.6	3331.3	3354.1	3136.8	2773.3	2135.3
75°	86.4	91.5	132.2	228.8	505.9	1160.4	2460.6	2568.7	2496.2	2010.7	1221.4
77.5°	57.2	59.7	72.4	109.3	191.9	363.5	1319.3	1434.9	1407.0	941.8	394.0
80°	41.9	43.2	53.4	73.7	116.9	130.9	486.8	563.0	544.0	216.1	78.8
82.5°	26.7	26.7	39.4	52.1	73.7	64.8	141.1	156.3	152.5	82.6	30.5
85°	17.8	19.1	29.2	40.7	40.7	30.5	40.7	47.0	50.8	44.5	14.0
87.5°	5.1	6.4	16.5	28.0	16.5	15.3	14.0	15.3	17.8	24.1	7.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P676425  
 CATALOG NUMBER: CCW-SA-2B-740-U-T3-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	613.9	613.9	613.9	613.9	613.9	613.9	613.9	613.9	613.9	613.9	613.9
2.5°	613.9	619.0	617.7	620.2	616.4	612.6	616.4	616.4	616.4	612.6	610.1
5°	619.0	616.4	619.0	613.9	619.0	613.9	611.3	603.7	602.4	602.4	607.5
7.5°	626.6	629.1	617.7	617.7	606.3	608.8	602.4	603.7	601.2	597.4	594.8
10°	638.0	648.2	636.8	633.0	620.2	610.1	594.8	587.2	587.2	582.1	587.2
12.5°	669.8	666.0	659.6	646.9	631.7	611.3	574.5	537.6	507.1	484.2	495.7
15°	695.2	694.0	685.1	660.9	640.6	578.3	485.5	390.2	339.4	316.5	312.7
17.5°	734.6	730.8	715.6	683.8	616.4	479.2	333.0	252.9	203.4	191.9	188.1
20°	771.5	770.2	737.2	696.5	555.4	349.5	217.3	166.5	152.5	153.8	151.2
22.5°	810.9	804.5	765.1	681.3	442.3	232.6	155.1	148.7	143.6	142.4	144.9
25°	855.4	832.5	793.1	646.9	325.4	160.1	146.2	141.1	136.0	134.7	134.7
27.5°	873.2	857.9	805.8	564.3	205.9	139.8	137.3	130.9	124.6	120.7	119.5
30°	913.8	888.4	818.5	443.6	146.2	128.4	124.6	116.9	108.0	101.7	101.7
32.5°	954.5	924.0	819.8	310.1	122.0	115.7	109.3	99.1	87.7	81.3	82.6
35°	1005.4	963.4	805.8	200.8	109.3	101.7	89.0	77.5	67.4	62.3	62.3
37.5°	1091.8	1052.4	748.6	132.2	99.1	86.4	73.7	61.0	52.1	48.3	48.3
40°	1201.1	1150.2	669.8	104.2	87.7	73.7	58.5	47.0	41.9	38.1	38.1
42.5°	1332.0	1268.4	552.9	92.8	77.5	61.0	45.8	36.9	31.8	31.8	30.5
45°	1462.9	1358.7	433.4	85.2	68.6	50.8	35.6	29.2	26.7	25.4	25.4
47.5°	1649.7	1468.0	310.1	77.5	59.7	39.4	29.2	24.1	21.6	20.3	21.6
50°	1829.0	1570.9	219.9	69.9	49.6	31.8	24.1	21.6	19.1	17.8	17.8
52.5°	1986.6	1642.1	153.8	61.0	41.9	26.7	21.6	19.1	17.8	16.5	16.5
55°	2073.0	1618.0	105.5	52.1	34.3	22.9	19.1	16.5	15.3	14.0	14.0
57.5°	2162.0	1550.6	80.1	43.2	28.0	21.6	17.8	15.3	14.0	12.7	12.7
60°	2236.9	1501.0	62.3	34.3	22.9	17.8	15.3	12.7	11.4	10.2	8.9
62.5°	2240.8	1401.9	45.8	25.4	17.8	15.3	12.7	10.2	6.4	5.1	3.8
65°	2256.0	1297.7	33.0	19.1	12.7	11.4	8.9	5.1	2.5	0.0	0.0
67.5°	2202.6	1174.4	26.7	14.0	8.9	6.4	3.8	1.3	0.0	0.0	0.0
70°	1985.3	991.4	20.3	10.2	6.4	3.8	1.3	0.0	0.0	0.0	0.0
72.5°	1421.0	644.4	14.0	7.6	2.5	1.3	0.0	0.0	0.0	0.0	0.0
75°	757.5	274.5	10.2	5.1	1.3	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	237.7	69.9	6.4	2.5	1.3	0.0	0.0	0.0	0.0	0.0	0.0
80°	52.1	19.1	3.8	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	17.8	7.6	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	6.4	2.5	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.5	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)