

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: P676422

Luminaire Tested: **CCW-SA-1E-740-U-T3-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676422
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1E-740-U-T3-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @1050mA w/
T3 distribution lens and House Side Shield
Light Source: (16) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

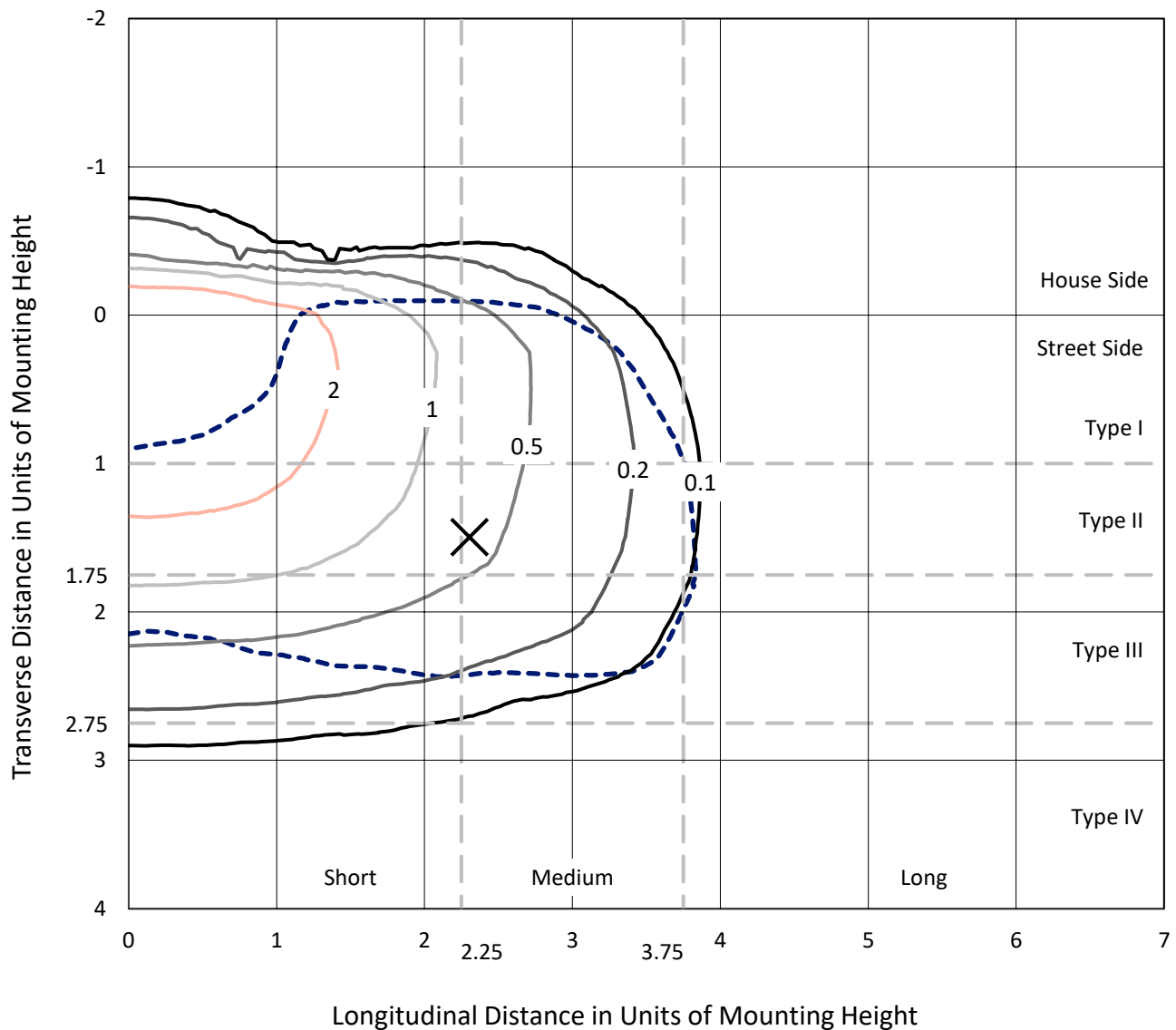
Lumens per Lamp: N/A
Luminaire Lumens: 4925.5 lumens
Efficiency: N/A
Efficacy: 87.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 56.1
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

REPORT NUMBER: P676422
 CATALOG NUMBER: CCW-SA-1E-740-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination

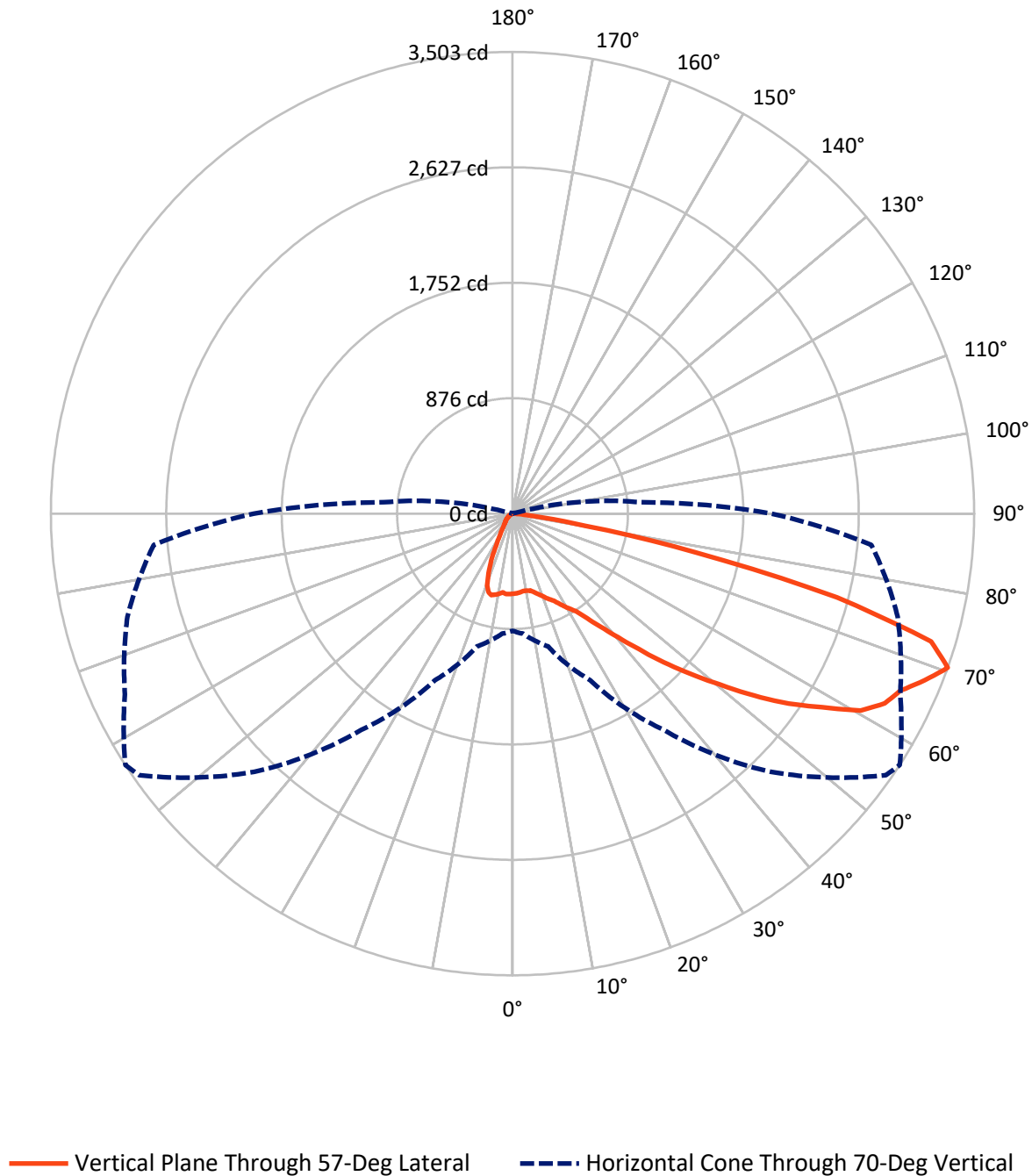
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P676422
CATALOG NUMBER: CCW-SA-1E-740-U-T3-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P676422

CATALOG NUMBER: CCW-SA-1E-740-U-T3-HSS

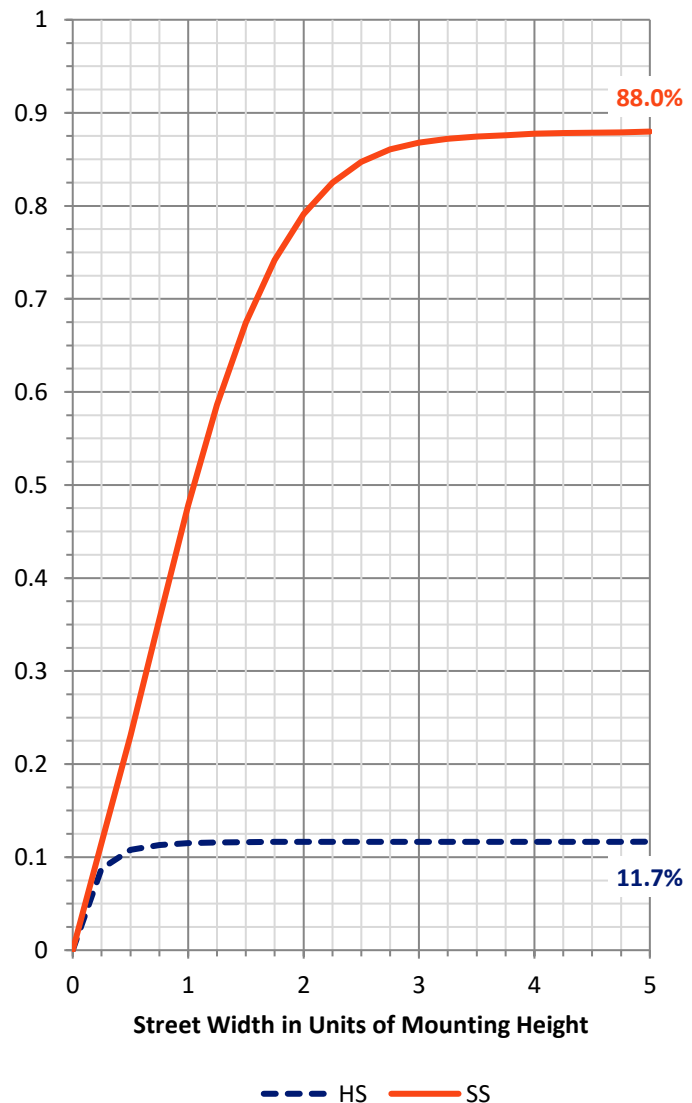
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	580.6	0.0	580.6
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	4344.9	0.0	4344.9
	% Fixture	88.2	0.0	88.2
Total	Lumens	4925.5	0.0	4925.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.8	1.2
10°-20°	158.8	3.2
20°-30°	267.5	5.4
30°-40°	457.8	9.3
40°-50°	768.6	15.6
50°-60°	1179.8	24.0
60°-70°	1362.2	27.7
70°-80°	643.5	13.1
80°-90°	30.5	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°	4925.5	100.0
0°-180°	4925.5	100.0

Coefficient of Utilization



REPORT NUMBER: P676422

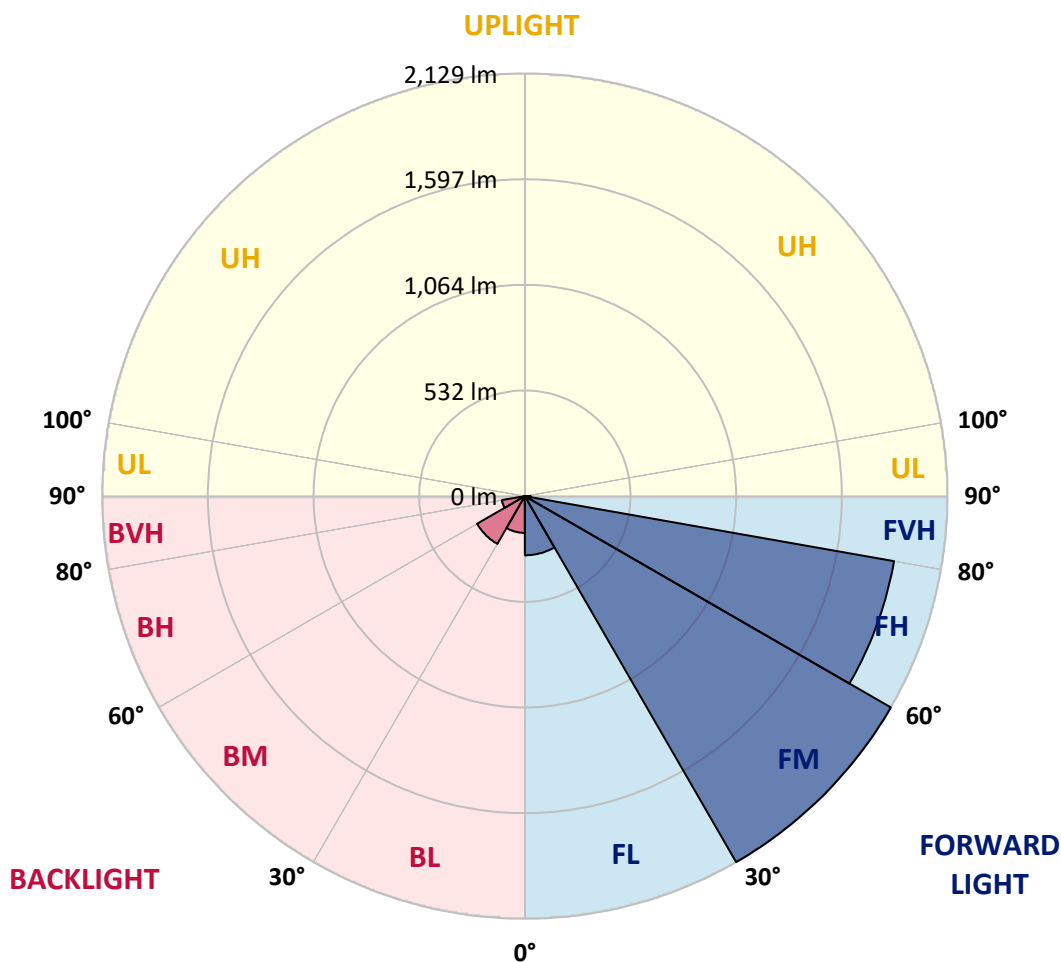
CATALOG NUMBER: CCW-SA-1E-740-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	298.0	6.0			
FM	(30°-60°)	2128.7	43.2			
FH	(60°-80°)	1888.2	38.3			G2/5000
FVH	(80°-90°)	30.0	0.6			G1/100
BL	(0°-30°)	185.1	3.8	B1/500		
BM	(30°-60°)	277.5	5.6	B1/1000		
BH	(60°-80°)	117.4	2.4	B1/500		G1/500
BVH	(80°-90°)	0.5	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: P676422

CATALOG NUMBER: CCW-SA-1E-740-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	607.7	607.7	607.7	607.7	607.7	607.7	607.7	607.7	607.7	607.7	607.7
2.5°	598.9	595.2	598.9	604.0	598.9	602.7	601.4	605.2	600.2	600.2	604.0
5°	559.9	566.2	568.7	575.0	581.3	592.6	600.2	600.2	607.7	611.5	616.5
7.5°	546.1	536.0	546.1	551.1	557.4	576.3	587.6	592.6	602.7	616.5	624.1
10°	526.0	533.5	533.5	549.9	558.7	570.0	590.1	593.9	616.5	630.4	637.9
12.5°	524.7	524.7	531.0	542.3	559.9	581.3	606.5	598.9	622.8	648.0	660.6
15°	528.5	537.3	537.3	552.4	566.2	596.4	617.8	619.1	653.0	678.2	689.5
17.5°	544.8	541.1	546.1	554.9	576.3	605.2	640.5	644.2	683.2	717.2	733.6
20°	578.8	585.1	577.5	572.5	581.3	619.1	664.4	671.9	715.9	748.7	765.0
22.5°	705.9	700.9	670.7	635.4	620.3	637.9	687.0	704.6	756.2	795.2	809.1
25°	849.3	840.5	805.3	752.4	683.2	675.7	732.3	732.3	806.5	849.3	845.6
27.5°	985.2	982.7	941.2	885.8	787.7	733.6	768.8	782.6	863.2	898.4	882.0
30°	1123.6	1126.1	1088.4	1021.7	918.5	826.7	820.4	831.7	905.9	961.3	927.3
32.5°	1284.7	1262.0	1235.6	1143.8	1049.4	946.2	887.1	882.0	953.8	1004.1	958.8
35°	1428.1	1414.3	1385.3	1302.3	1194.1	1070.8	987.7	975.2	1014.2	1080.8	1031.8
37.5°	1554.0	1540.1	1502.4	1447.0	1362.7	1225.5	1108.5	1089.7	1106.0	1176.5	1117.3
40°	1662.2	1665.9	1655.9	1601.8	1523.8	1399.2	1264.6	1234.4	1220.5	1283.4	1216.7
42.5°	1740.2	1776.7	1779.2	1712.5	1649.6	1581.6	1430.6	1406.7	1374.0	1426.9	1380.3
45°	1903.7	1883.6	1896.2	1872.3	1803.1	1793.0	1621.9	1608.1	1562.8	1580.4	1531.3
47.5°	2032.1	2028.3	2052.2	2013.2	1994.3	1995.6	1839.6	1815.7	1751.5	1784.2	1728.8
50°	2106.3	2086.2	2173.0	2203.2	2199.4	2214.5	2059.8	2039.6	1978.0	2025.8	1907.5
52.5°	2123.9	2160.4	2242.2	2351.7	2398.2	2429.7	2300.1	2292.5	2225.9	2256.1	2092.5
55°	2168.0	2203.2	2251.0	2431.0	2603.3	2610.9	2536.7	2544.2	2485.1	2477.5	2268.6
57.5°	2166.7	2159.2	2291.3	2500.2	2739.2	2847.4	2807.2	2770.7	2706.5	2632.3	2381.9
60°	2087.5	2083.7	2220.8	2509.0	2813.5	3061.3	3077.7	3034.9	2873.9	2764.4	2515.3
62.5°	1930.2	1945.3	2083.7	2433.5	2883.9	3138.1	3198.5	3169.6	2969.5	2852.5	2672.5
65°	1750.2	1718.8	1879.8	2244.7	2725.4	3115.5	3246.3	3236.2	3082.7	2948.1	2817.2
67.5°	1404.2	1418.1	1541.4	1931.4	2454.9	3032.4	3358.3	3373.4	3173.3	3032.4	2861.3
70°	889.6	914.8	1043.1	1395.4	2004.4	2770.7	3459.0	3503.0	3245.1	3024.9	2732.9
72.5°	259.2	269.3	444.2	695.8	1277.1	2222.1	3297.9	3320.5	3105.4	2745.5	2113.9
75°	85.6	90.6	130.9	226.5	500.8	1148.8	2436.0	2542.9	2471.2	1990.6	1209.2
77.5°	56.6	59.1	71.7	108.2	190.0	359.9	1306.1	1420.6	1392.9	932.4	390.1
80°	41.5	42.8	52.8	73.0	115.8	129.6	481.9	557.4	538.5	213.9	78.0
82.5°	26.4	26.4	39.0	51.6	73.0	64.2	139.7	154.8	151.0	81.8	30.2
85°	17.6	18.9	28.9	40.3	40.3	30.2	40.3	46.6	50.3	44.0	13.8
87.5°	5.0	6.3	16.4	27.7	16.4	15.1	13.8	15.1	17.6	23.9	7.5
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: P676422

CATALOG NUMBER: CCW-SA-1E-740-U-T3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	607.7	607.7	607.7	607.7	607.7	607.7	607.7	607.7	607.7	607.7	607.7
2.5°	607.7	612.8	611.5	614.0	610.3	606.5	610.3	610.3	610.3	606.5	604.0
5°	612.8	610.3	612.8	607.7	612.8	607.7	605.2	597.7	596.4	596.4	601.4
7.5°	620.3	622.8	611.5	611.5	600.2	602.7	596.4	597.7	595.2	591.4	588.9
10°	631.6	641.7	630.4	626.6	614.0	604.0	588.9	581.3	581.3	576.3	581.3
12.5°	663.1	659.3	653.0	640.5	625.4	605.2	568.7	532.2	502.0	479.4	490.7
15°	688.3	687.0	678.2	654.3	634.2	572.5	480.7	386.3	336.0	313.3	309.5
17.5°	727.3	723.5	708.4	676.9	610.3	474.4	329.7	250.4	201.3	190.0	186.2
20°	763.8	762.5	729.8	689.5	549.9	346.0	215.2	164.8	151.0	152.2	149.7
22.5°	802.8	796.5	757.5	674.4	437.9	230.3	153.5	147.2	142.2	140.9	143.4
25°	846.8	824.2	785.2	640.5	322.1	158.5	144.7	139.7	134.6	133.4	133.4
27.5°	864.4	849.3	797.7	558.7	203.8	138.4	135.9	129.6	123.3	119.5	118.3
30°	904.7	879.5	810.3	439.1	144.7	127.1	123.3	115.8	107.0	100.7	100.7
32.5°	945.0	914.8	811.6	307.0	120.8	114.5	108.2	98.1	86.8	80.5	81.8
35°	995.3	953.8	797.7	198.8	108.2	100.7	88.1	76.8	66.7	61.7	61.7
37.5°	1080.8	1041.8	741.1	130.9	98.1	85.6	73.0	60.4	51.6	47.8	47.8
40°	1189.1	1138.7	663.1	103.2	86.8	73.0	57.9	46.6	41.5	37.7	37.7
42.5°	1318.7	1255.7	547.3	91.9	76.8	60.4	45.3	36.5	31.5	31.5	30.2
45°	1448.3	1345.1	429.1	84.3	67.9	50.3	35.2	28.9	26.4	25.2	25.2
47.5°	1633.2	1453.3	307.0	76.8	59.1	39.0	28.9	23.9	21.4	20.1	21.4
50°	1810.6	1555.2	217.7	69.2	49.1	31.5	23.9	21.4	18.9	17.6	17.6
52.5°	1966.7	1625.7	152.2	60.4	41.5	26.4	21.4	18.9	17.6	16.4	16.4
55°	2052.2	1601.8	104.4	51.6	34.0	22.6	18.9	16.4	15.1	13.8	13.8
57.5°	2140.3	1535.1	79.3	42.8	27.7	21.4	17.6	15.1	13.8	12.6	12.6
60°	2214.5	1486.0	61.7	34.0	22.6	17.6	15.1	12.6	11.3	10.1	8.8
62.5°	2218.3	1387.9	45.3	25.2	17.6	15.1	12.6	10.1	6.3	5.0	3.8
65°	2233.4	1284.7	32.7	18.9	12.6	11.3	8.8	5.0	2.5	0.0	0.0
67.5°	2180.6	1162.6	26.4	13.8	8.8	6.3	3.8	1.3	0.0	0.0	0.0
70°	1965.4	981.4	20.1	10.1	6.3	3.8	1.3	0.0	0.0	0.0	0.0
72.5°	1406.7	637.9	13.8	7.5	2.5	1.3	0.0	0.0	0.0	0.0	0.0
75°	749.9	271.8	10.1	5.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	235.3	69.2	6.3	2.5	1.3	0.0	0.0	0.0	0.0	0.0	0.0
80°	51.6	18.9	3.8	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	17.6	7.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	6.3	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)