

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: P676400

Luminaire Tested: **CCW-SA-1E-730-U-T3-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676400
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1E-730-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) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

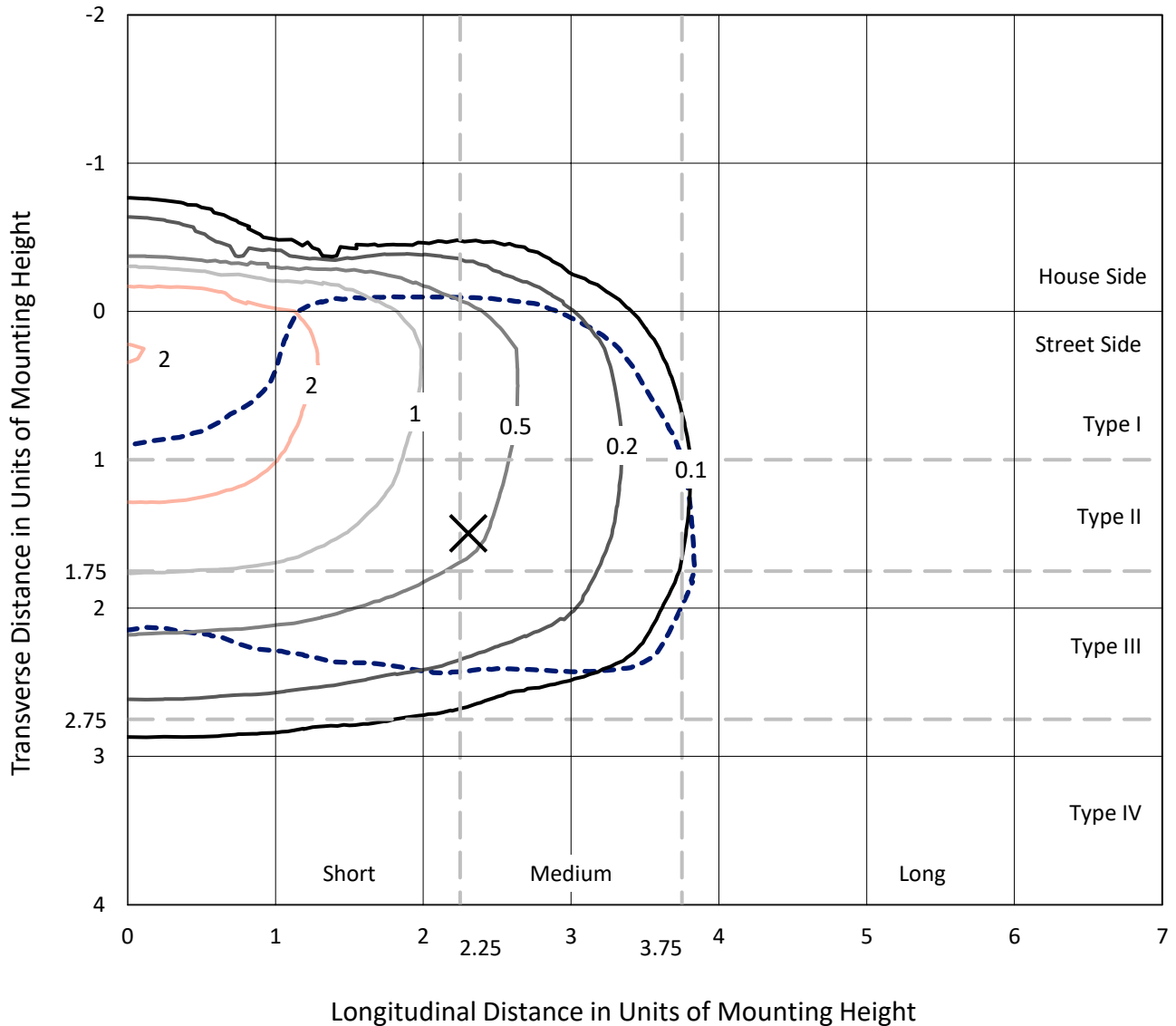
Lumens per Lamp: N/A
Luminaire Lumens: 4485.1 lumens
Efficiency: N/A
Efficacy: 79.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

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: P676400
 CATALOG NUMBER: CCW-SA-1E-730-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination

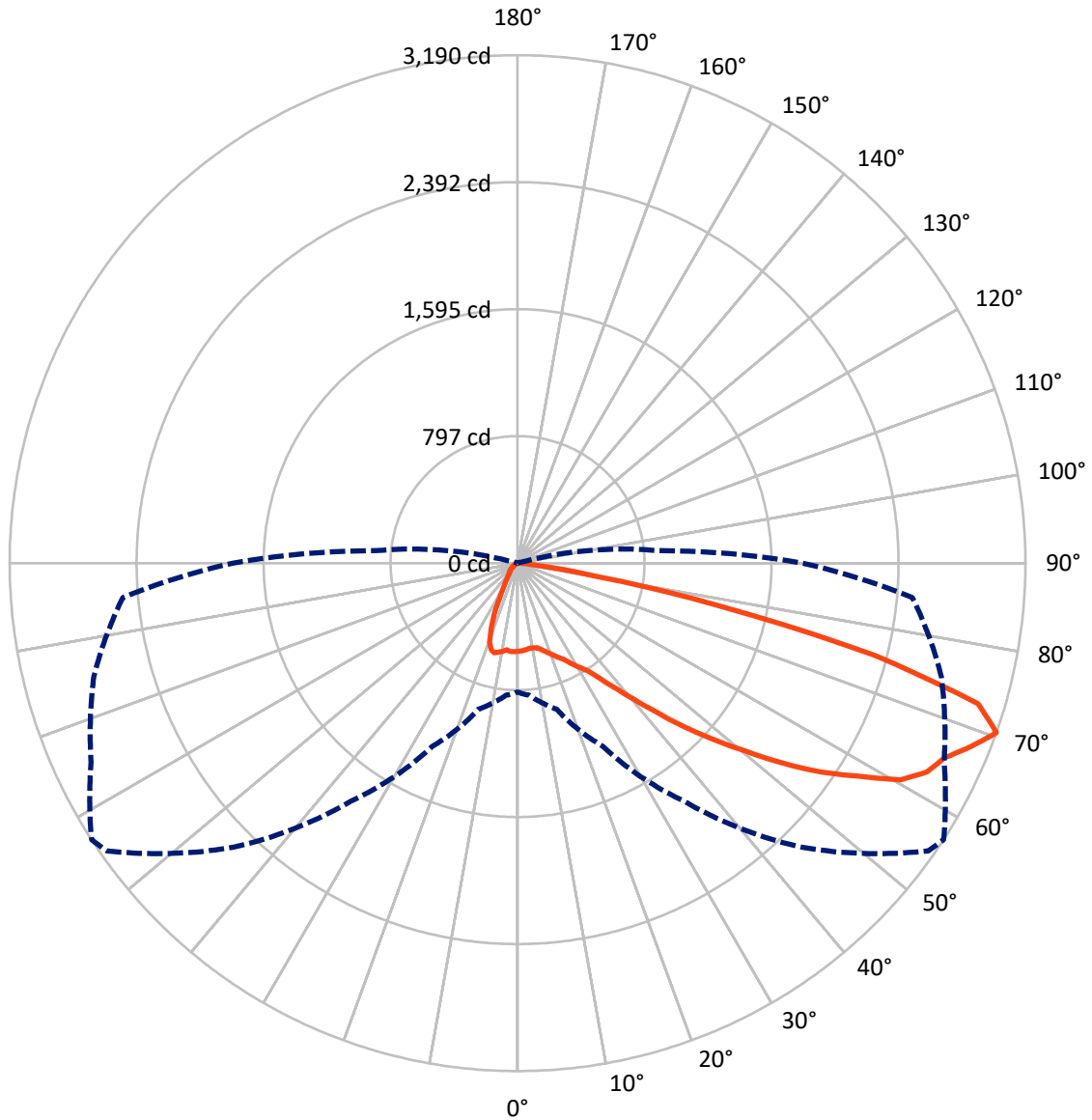
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.2 fc
 Type III - Medium - N/A

REPORT NUMBER: P676400
CATALOG NUMBER: CCW-SA-1E-730-U-T3-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P676400

CATALOG NUMBER: CCW-SA-1E-730-U-T3-HSS

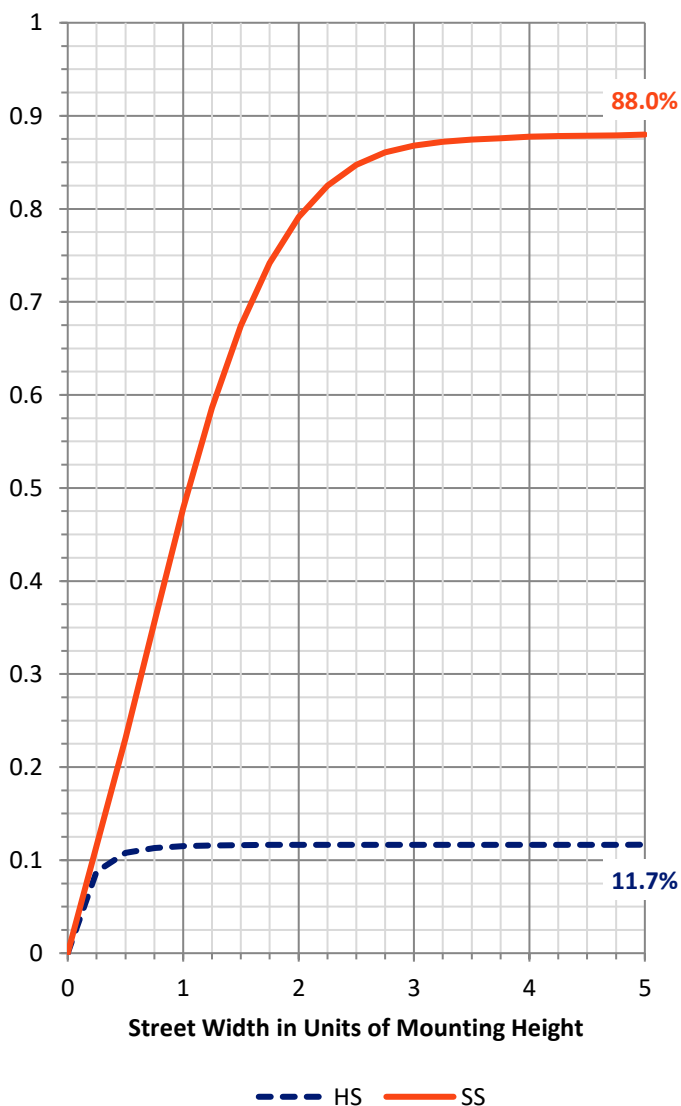
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	528.7	0.0	528.7
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	3956.5	0.0	3956.5
	% Fixture	88.2	0.0	88.2
Total	Lumens	4485.1	0.0	4485.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.7	1.2
10°-20°	144.6	3.2
20°-30°	243.6	5.4
30°-40°	416.8	9.3
40°-50°	699.9	15.6
50°-60°	1074.4	24.0
60°-70°	1240.4	27.7
70°-80°	585.9	13.1
80°-90°	27.8	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°	4485.1	100.0
0°-180°	4485.1	100.0



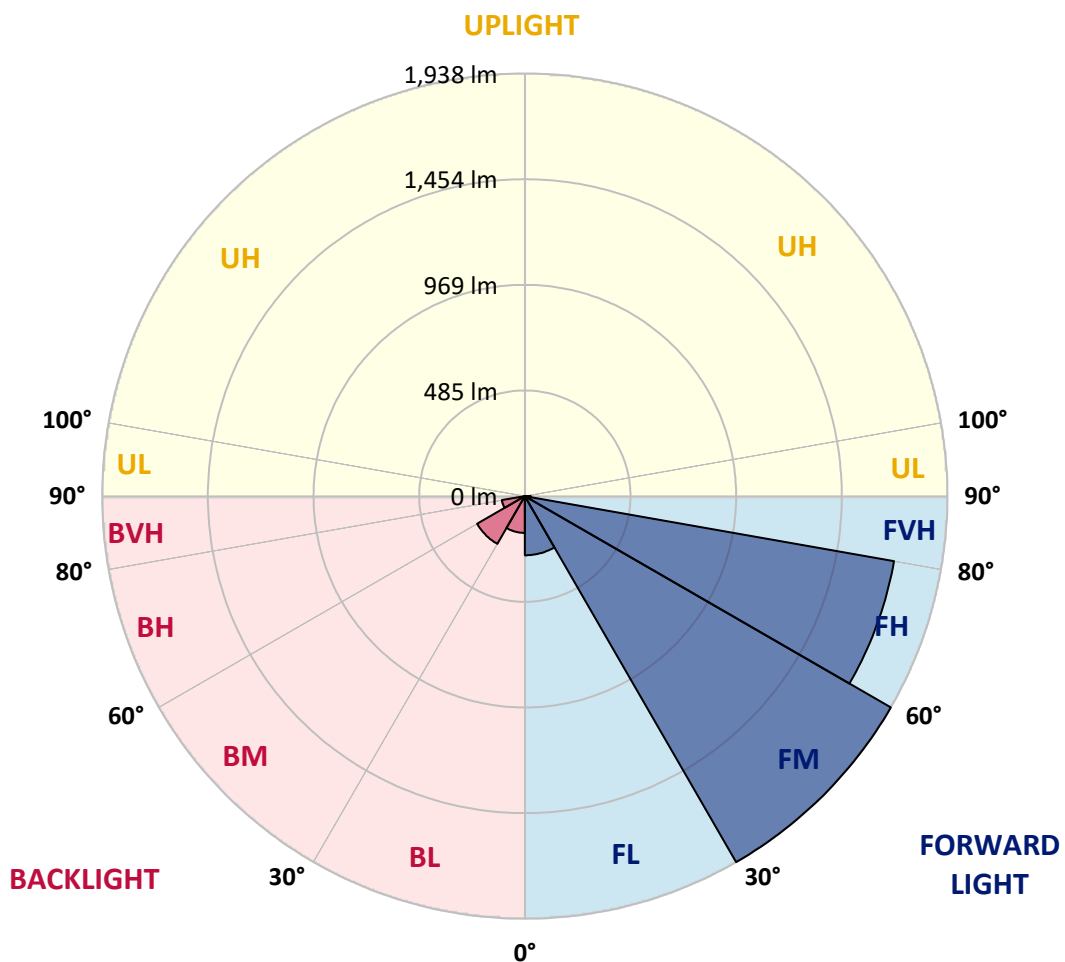
REPORT NUMBER: P676400
 CATALOG NUMBER: CCW-SA-1E-730-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	271.3	6.0			
FM (30°-60°)	1938.4	43.2			
FH (60°-80°)	1719.4	38.3			G1/1800
FVH (80°-90°)	27.3	0.6			G1/100
BL (0°-30°)	168.5	3.8	B1/500		
BM (30°-60°)	252.7	5.6	B1/1000		
BH (60°-80°)	106.9	2.4	B0/110		G0/110
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-G1

Type III Medium





REPORT NUMBER: P676400
 CATALOG NUMBER: CCW-SA-1E-730-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	553.4	553.4	553.4	553.4	553.4	553.4	553.4	553.4	553.4	553.4	553.4
2.5°	545.4	541.9	545.4	550.0	545.4	548.8	547.7	551.1	546.5	546.5	550.0
5°	509.9	515.6	517.9	523.6	529.3	539.7	546.5	546.5	553.4	556.8	561.4
7.5°	497.3	488.1	497.3	501.8	507.6	524.8	535.1	539.7	548.8	561.4	568.3
10°	478.9	485.8	485.8	500.7	508.7	519.0	537.4	540.8	561.4	574.0	580.9
12.5°	477.8	477.8	483.5	493.8	509.9	529.3	552.3	545.4	567.2	590.1	601.5
15°	481.2	489.2	489.2	503.0	515.6	543.1	562.6	563.7	594.7	617.6	627.9
17.5°	496.1	492.7	497.3	505.3	524.8	551.1	583.2	586.6	622.2	653.1	668.0
20°	527.1	532.8	525.9	521.3	529.3	563.7	605.0	611.8	651.9	681.7	696.6
22.5°	642.8	638.2	610.7	578.6	564.9	580.9	625.6	641.6	688.6	724.1	736.7
25°	773.4	765.4	733.3	685.2	622.2	615.3	666.8	666.8	734.4	773.4	770.0
27.5°	897.1	894.8	857.0	806.6	717.3	668.0	700.1	712.7	786.0	818.1	803.2
30°	1023.2	1025.5	991.1	930.4	836.4	752.8	747.0	757.4	825.0	875.4	844.4
32.5°	1169.8	1149.2	1125.1	1041.5	955.6	861.6	807.8	803.2	868.5	914.3	873.1
35°	1300.5	1287.8	1261.5	1185.9	1087.3	975.1	899.4	888.0	923.5	984.2	939.5
37.5°	1415.0	1402.4	1368.1	1317.6	1240.9	1116.0	1009.4	992.2	1007.1	1071.3	1017.4
40°	1513.6	1517.0	1507.8	1458.6	1387.5	1274.1	1151.5	1124.0	1111.4	1168.7	1108.0
42.5°	1584.6	1617.8	1620.1	1559.4	1502.1	1440.2	1302.7	1281.0	1251.2	1299.3	1256.9
45°	1733.6	1715.2	1726.7	1704.9	1641.9	1632.7	1476.9	1464.3	1423.0	1439.1	1394.4
47.5°	1850.4	1847.0	1868.8	1833.2	1816.0	1817.2	1675.1	1653.3	1594.9	1624.7	1574.3
50°	1918.0	1899.7	1978.7	2006.2	2002.8	2016.6	1875.6	1857.3	1801.2	1844.7	1737.0
52.5°	1934.1	1967.3	2041.8	2141.4	2183.8	2212.5	2094.5	2087.6	2026.9	2054.4	1905.4
55°	1974.2	2006.2	2049.8	2213.6	2370.6	2377.5	2309.9	2316.7	2262.9	2256.0	2065.8
57.5°	1973.0	1966.1	2086.4	2276.6	2494.3	2592.9	2556.2	2523.0	2464.6	2397.0	2168.9
60°	1900.8	1897.4	2022.3	2284.7	2561.9	2787.7	2802.6	2763.6	2616.9	2517.3	2290.4
62.5°	1757.6	1771.4	1897.4	2215.9	2626.1	2857.6	2912.6	2886.2	2704.0	2597.5	2433.6
65°	1593.8	1565.1	1711.8	2044.1	2481.7	2836.9	2956.1	2946.9	2807.1	2684.5	2565.4
67.5°	1278.7	1291.3	1403.6	1758.8	2235.4	2761.3	3058.1	3071.8	2889.6	2761.3	2605.5
70°	810.1	833.0	949.8	1270.7	1825.2	2523.0	3149.7	3189.8	2954.9	2754.4	2488.6
72.5°	236.0	245.2	404.5	633.6	1163.0	2023.4	3003.1	3023.7	2827.8	2500.1	1924.9
75°	77.9	82.5	119.2	206.2	456.0	1046.1	2218.2	2315.6	2250.3	1812.6	1101.1
77.5°	51.6	53.9	65.3	98.5	173.0	327.7	1189.3	1293.6	1268.4	849.0	355.2
80°	37.8	39.0	48.1	66.5	105.4	118.0	438.8	507.6	490.4	194.8	71.0
82.5°	24.1	24.1	35.5	47.0	66.5	58.4	127.2	140.9	137.5	74.5	27.5
85°	16.0	17.2	26.4	36.7	36.7	27.5	36.7	42.4	45.8	40.1	12.6
87.5°	4.6	5.7	14.9	25.2	14.9	13.7	12.6	13.7	16.0	21.8	6.9
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: P676400
 CATALOG NUMBER: CCW-SA-1E-730-U-T3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	553.4	553.4	553.4	553.4	553.4	553.4	553.4	553.4	553.4	553.4	553.4
2.5°	553.4	558.0	556.8	559.1	555.7	552.3	555.7	555.7	555.7	552.3	550.0
5°	558.0	555.7	558.0	553.4	558.0	553.4	551.1	544.2	543.1	543.1	547.7
7.5°	564.9	567.2	556.8	556.8	546.5	548.8	543.1	544.2	541.9	538.5	536.2
10°	575.2	584.3	574.0	570.6	559.1	550.0	536.2	529.3	529.3	524.8	529.3
12.5°	603.8	600.4	594.7	583.2	569.4	551.1	517.9	484.7	457.2	436.5	446.9
15°	626.7	625.6	617.6	595.8	577.5	521.3	437.7	351.8	305.9	285.3	281.9
17.5°	662.3	658.8	645.1	616.4	555.7	432.0	300.2	228.0	183.3	173.0	169.6
20°	695.5	694.3	664.5	627.9	500.7	315.1	195.9	150.1	137.5	138.6	136.3
22.5°	731.0	725.3	689.8	614.1	398.7	209.7	139.8	134.1	129.5	128.3	130.6
25°	771.1	750.5	715.0	583.2	293.3	144.4	131.8	127.2	122.6	121.5	121.5
27.5°	787.1	773.4	726.4	508.7	185.6	126.0	123.7	118.0	112.3	108.8	107.7
30°	823.8	800.9	737.9	399.9	131.8	115.7	112.3	105.4	97.4	91.7	91.7
32.5°	860.5	833.0	739.0	279.6	110.0	104.3	98.5	89.4	79.1	73.3	74.5
35°	906.3	868.5	726.4	181.0	98.5	91.7	80.2	69.9	60.7	56.1	56.1
37.5°	984.2	948.7	674.9	119.2	89.4	77.9	66.5	55.0	47.0	43.5	43.5
40°	1082.8	1036.9	603.8	94.0	79.1	66.5	52.7	42.4	37.8	34.4	34.4
42.5°	1200.8	1143.5	498.4	83.6	69.9	55.0	41.2	33.2	28.6	28.6	27.5
45°	1318.8	1224.8	390.7	76.8	61.9	45.8	32.1	26.4	24.1	22.9	22.9
47.5°	1487.2	1323.4	279.6	69.9	53.9	35.5	26.4	21.8	19.5	18.3	19.5
50°	1648.8	1416.2	198.2	63.0	44.7	28.6	21.8	19.5	17.2	16.0	16.0
52.5°	1790.8	1480.3	138.6	55.0	37.8	24.1	19.5	17.2	16.0	14.9	14.9
55°	1868.8	1458.6	95.1	47.0	30.9	20.6	17.2	14.9	13.7	12.6	12.6
57.5°	1949.0	1397.8	72.2	39.0	25.2	19.5	16.0	13.7	12.6	11.5	11.5
60°	2016.6	1353.2	56.1	30.9	20.6	16.0	13.7	11.5	10.3	9.2	8.0
62.5°	2020.0	1263.8	41.2	22.9	16.0	13.7	11.5	9.2	5.7	4.6	3.4
65°	2033.7	1169.8	29.8	17.2	11.5	10.3	8.0	4.6	2.3	0.0	0.0
67.5°	1985.6	1058.7	24.1	12.6	8.0	5.7	3.4	1.1	0.0	0.0	0.0
70°	1789.7	893.7	18.3	9.2	5.7	3.4	1.1	0.0	0.0	0.0	0.0
72.5°	1281.0	580.9	12.6	6.9	2.3	1.1	0.0	0.0	0.0	0.0	0.0
75°	682.9	247.5	9.2	4.6	1.1	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	214.3	63.0	5.7	2.3	1.1	0.0	0.0	0.0	0.0	0.0	0.0
80°	47.0	17.2	3.4	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	16.0	6.9	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	5.7	2.3	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.3	1.1	1.1	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)