

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: P676499

Luminaire Tested: **CCW-SA-1E-850-U-T3-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676499
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1E-850-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) 5000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

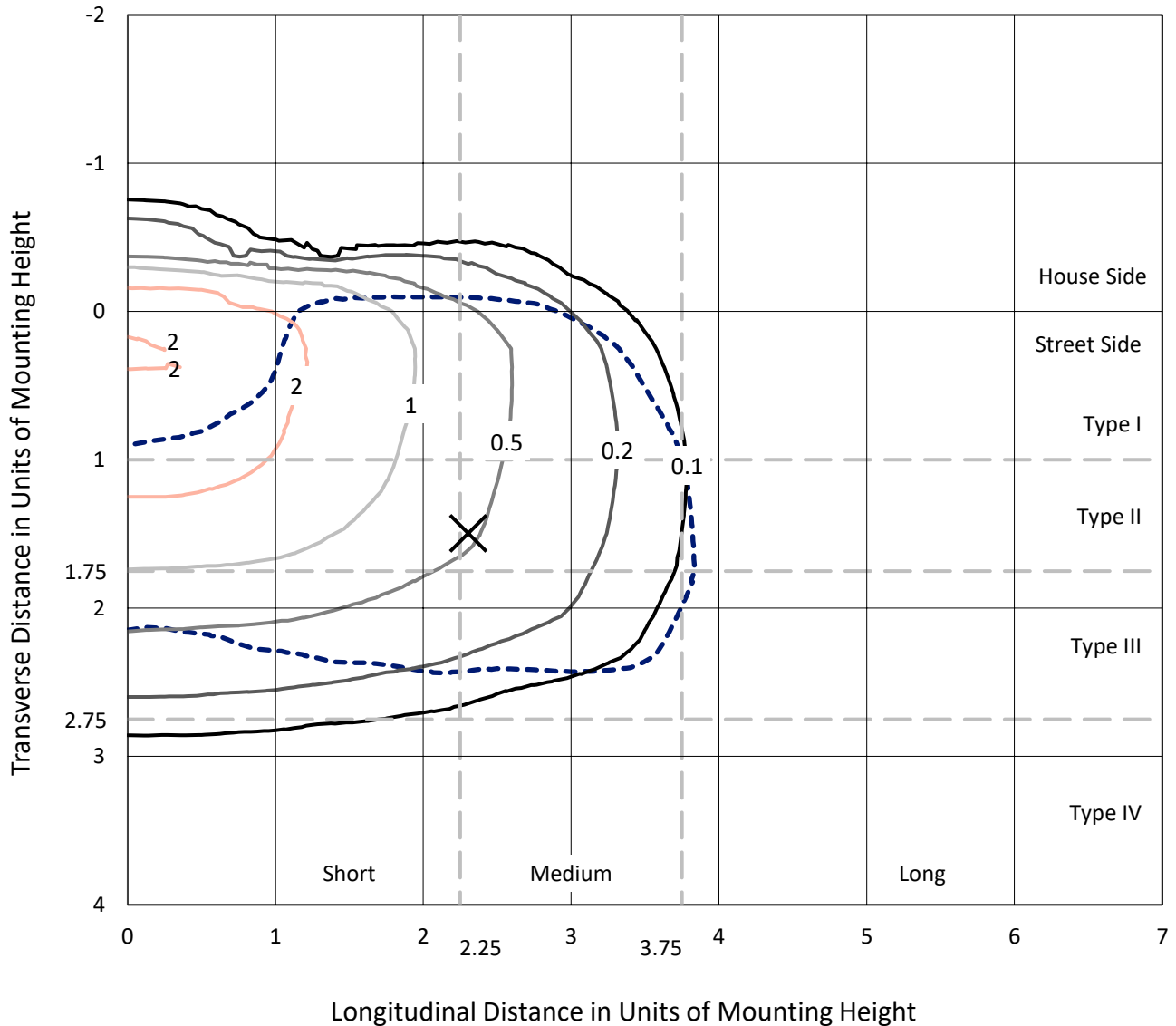
Lumens per Lamp: N/A
Luminaire Lumens: 4298 lumens
Efficiency: N/A
Efficacy: 76.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

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: P676499
 CATALOG NUMBER: CCW-SA-1E-850-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination

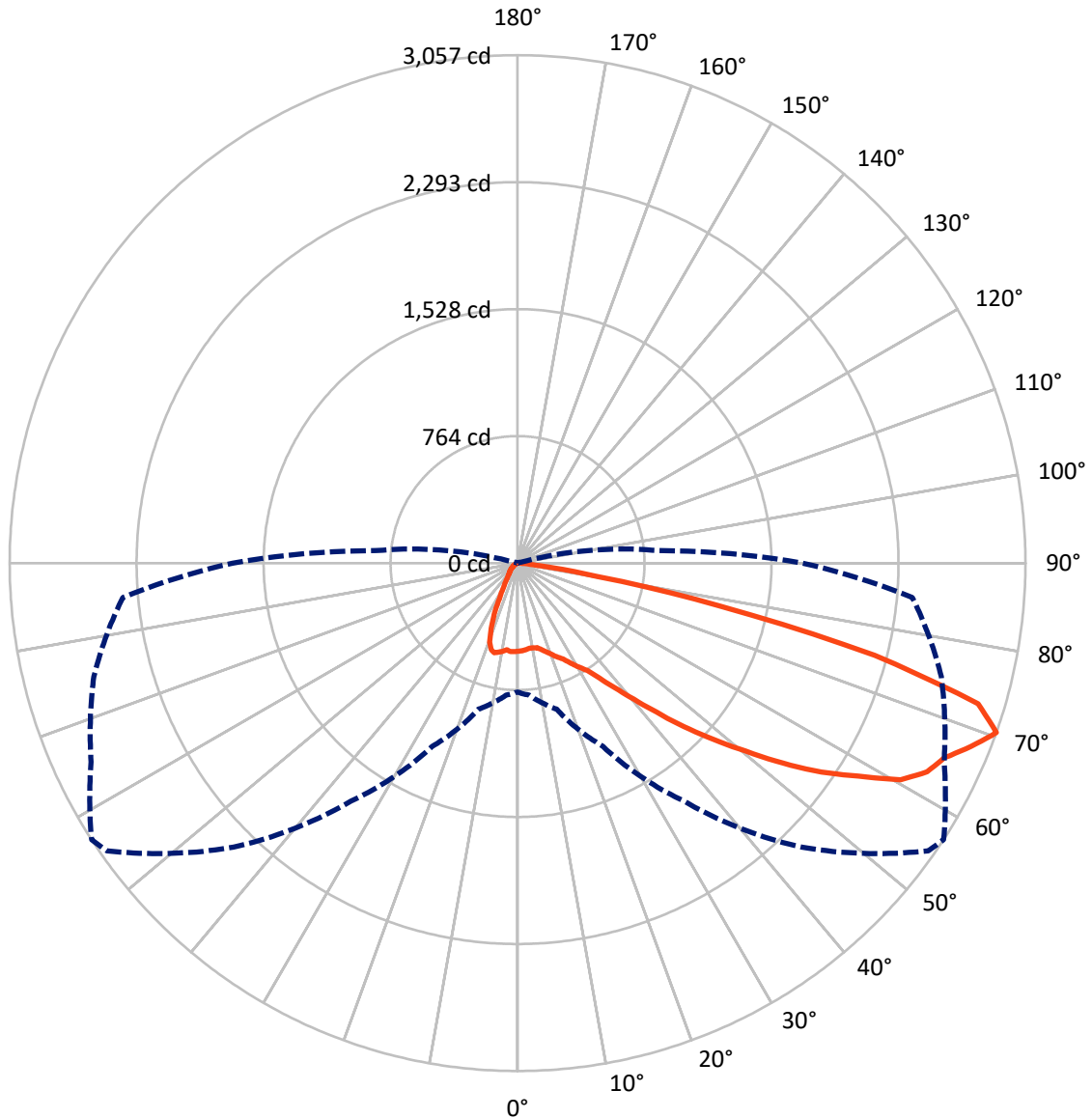
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3 fc
 Type III - Medium - N/A

REPORT NUMBER: P676499
CATALOG NUMBER: CCW-SA-1E-850-U-T3-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P676499
 CATALOG NUMBER: CCW-SA-1E-850-U-T3-HSS

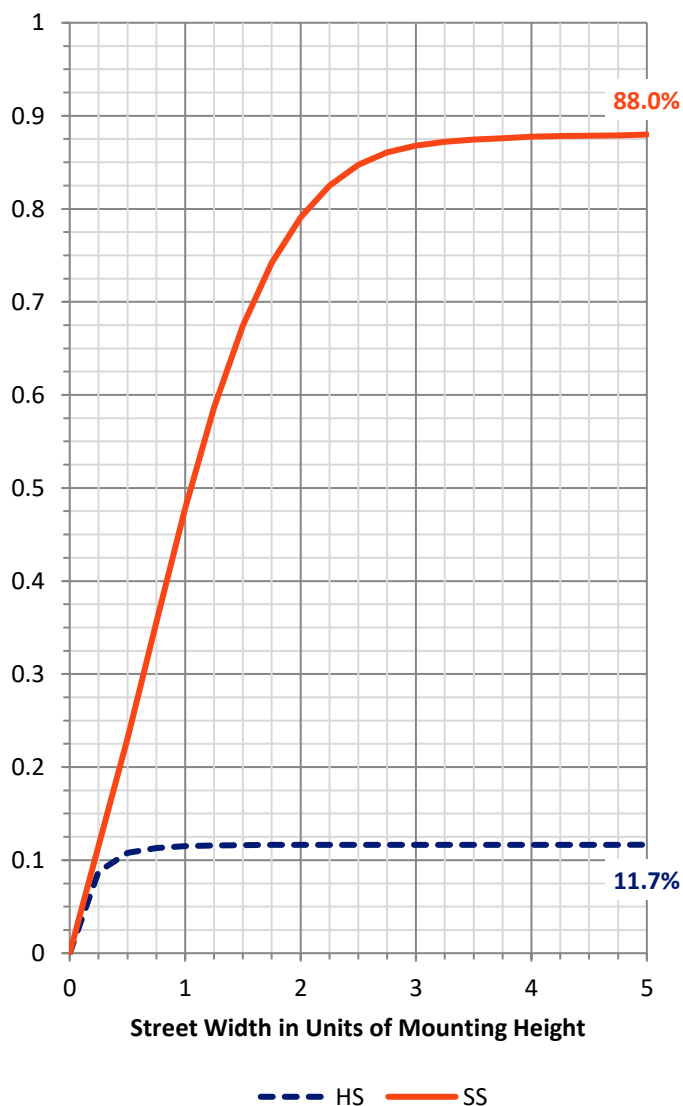
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	506.6	0.0	506.6
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	3791.4	0.0	3791.4
	% Fixture	88.2	0.0	88.2
Total	Lumens	4298.0	0.0	4298.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.6	1.2
10°-20°	138.6	3.2
20°-30°	233.4	5.4
30°-40°	399.4	9.3
40°-50°	670.7	15.6
50°-60°	1029.5	24.0
60°-70°	1188.6	27.7
70°-80°	561.5	13.1
80°-90°	26.6	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°	4298.0	100.0
0°-180°	4298.0	100.0



REPORT NUMBER: P676499

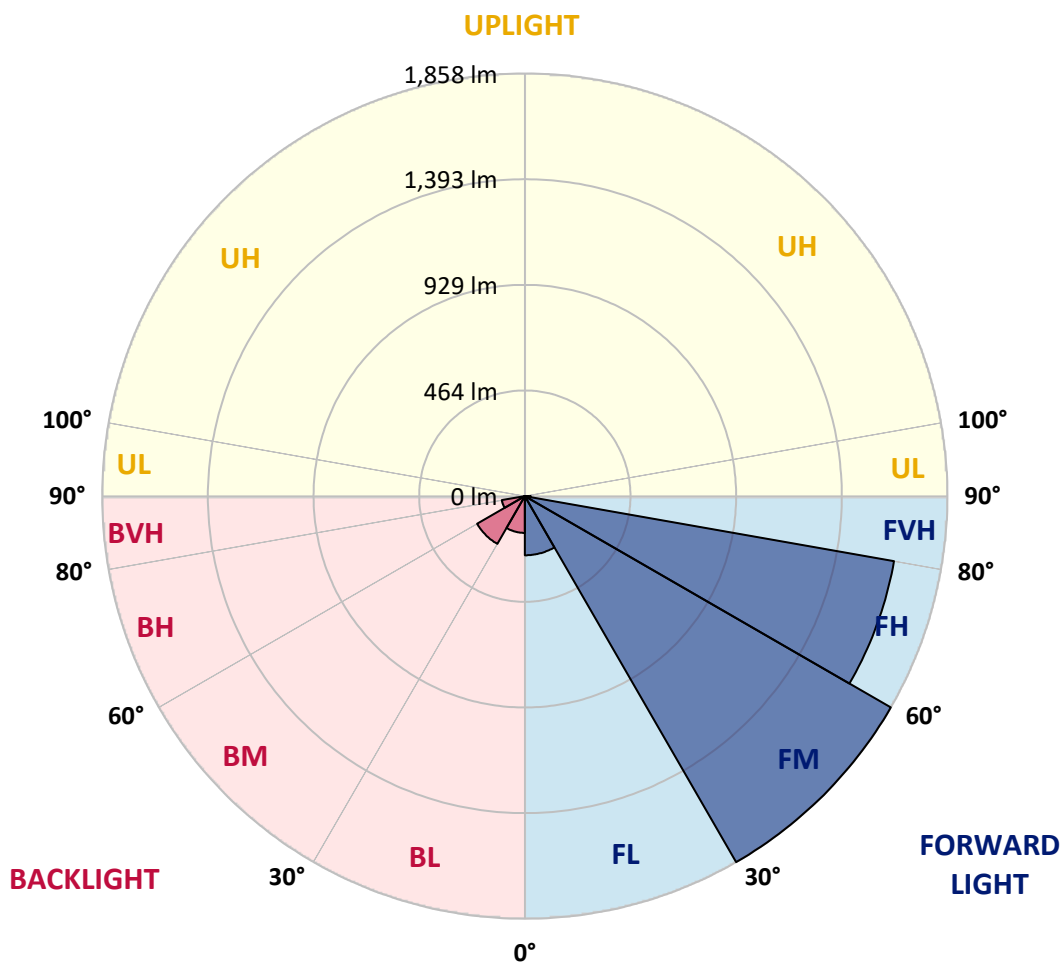
CATALOG NUMBER: CCW-SA-1E-850-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	260.0	6.0			
FM (30°-60°)	1857.5	43.2			
FH (60°-80°)	1647.7	38.3			G1/1800
FVH (80°-90°)	26.2	0.6			G1/100
BL (0°-30°)	161.5	3.8	B1/500		
BM (30°-60°)	242.2	5.6	B1/1000		
BH (60°-80°)	102.5	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: P676499

CATALOG NUMBER: CCW-SA-1E-850-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	530.3	530.3	530.3	530.3	530.3	530.3	530.3	530.3	530.3	530.3	530.3
2.5°	522.6	519.3	522.6	527.0	522.6	525.9	524.8	528.1	523.7	523.7	527.0
5°	488.6	494.1	496.3	501.8	507.3	517.1	523.7	523.7	530.3	533.6	538.0
7.5°	476.5	467.7	476.5	480.9	486.4	502.9	512.7	517.1	525.9	538.0	544.6
10°	458.9	465.5	465.5	479.8	487.5	497.4	514.9	518.2	538.0	550.1	556.7
12.5°	457.8	457.8	463.3	473.2	488.6	507.3	529.2	522.6	543.5	565.4	576.4
15°	461.1	468.8	468.8	482.0	494.1	520.4	539.1	540.2	569.8	591.8	601.7
17.5°	475.4	472.1	476.5	484.2	502.9	528.1	558.9	562.2	596.2	625.8	640.1
20°	505.1	510.6	504.0	499.6	507.3	540.2	579.7	586.3	624.7	653.3	667.6
22.5°	616.0	611.6	585.2	554.5	541.3	556.7	599.5	614.9	659.9	693.9	706.0
25°	741.1	733.4	702.7	656.6	596.2	589.6	639.0	639.0	703.8	741.1	737.8
27.5°	859.7	857.5	821.3	773.0	687.3	640.1	670.9	682.9	753.2	783.9	769.7
30°	980.5	982.7	949.7	891.5	801.5	721.4	715.9	725.7	790.5	838.8	809.2
32.5°	1121.0	1101.3	1078.2	998.0	915.7	825.7	774.1	769.7	832.3	876.2	836.6
35°	1246.2	1234.1	1208.9	1136.4	1042.0	934.4	861.9	850.9	885.0	943.1	900.3
37.5°	1356.0	1343.9	1311.0	1262.7	1189.1	1069.4	967.3	950.8	965.1	1026.6	975.0
40°	1450.4	1453.7	1444.9	1397.7	1329.6	1220.9	1103.4	1077.1	1065.0	1119.9	1061.7
42.5°	1518.5	1550.3	1552.5	1494.3	1439.4	1380.1	1248.4	1227.5	1199.0	1245.1	1204.5
45°	1661.2	1643.6	1654.6	1633.8	1573.4	1564.6	1415.3	1403.2	1363.7	1379.0	1336.2
47.5°	1773.2	1769.9	1790.8	1756.7	1740.3	1741.4	1605.2	1584.4	1528.4	1556.9	1508.6
50°	1838.0	1820.4	1896.2	1922.5	1919.2	1932.4	1797.4	1779.8	1726.0	1767.7	1664.5
52.5°	1853.4	1885.2	1956.6	2052.1	2092.7	2120.2	2007.1	2000.5	1942.3	1968.6	1825.9
55°	1891.8	1922.5	1964.2	2121.3	2271.7	2278.3	2213.5	2220.1	2168.5	2161.9	1979.6
57.5°	1890.7	1884.1	1999.4	2181.6	2390.3	2484.7	2449.5	2417.7	2361.7	2296.9	2078.4
60°	1821.5	1818.2	1937.9	2189.3	2455.0	2671.3	2685.6	2648.3	2507.7	2412.2	2194.8
62.5°	1684.3	1697.4	1818.2	2123.4	2516.5	2738.3	2791.0	2765.8	2591.2	2489.1	2332.1
65°	1527.3	1499.8	1640.3	1958.8	2378.2	2718.5	2832.7	2823.9	2690.0	2572.5	2458.3
67.5°	1225.3	1237.4	1345.0	1685.4	2142.1	2646.1	2930.4	2943.6	2769.0	2646.1	2496.8
70°	776.3	798.2	910.2	1217.6	1749.0	2417.7	3018.3	3056.7	2831.6	2639.5	2384.8
72.5°	226.2	235.0	387.6	607.2	1114.4	1939.0	2877.7	2897.5	2709.8	2395.7	1844.6
75°	74.7	79.1	114.2	197.6	437.0	1002.4	2125.6	2219.0	2156.4	1737.0	1055.1
77.5°	49.4	51.6	62.6	94.4	165.8	314.0	1139.7	1239.6	1215.4	813.6	340.4
80°	36.2	37.3	46.1	63.7	101.0	113.1	420.5	486.4	469.9	186.7	68.1
82.5°	23.1	23.1	34.0	45.0	63.7	56.0	121.9	135.0	131.8	71.4	26.4
85°	15.4	16.5	25.3	35.1	35.1	26.4	35.1	40.6	43.9	38.4	12.1
87.5°	4.4	5.5	14.3	24.2	14.3	13.2	12.1	13.2	15.4	20.9	6.6
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: P676499
 CATALOG NUMBER: CCW-SA-1E-850-U-T3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	530.3	530.3	530.3	530.3	530.3	530.3	530.3	530.3	530.3	530.3	530.3
2.5°	530.3	534.7	533.6	535.8	532.5	529.2	532.5	532.5	532.5	529.2	527.0
5°	534.7	532.5	534.7	530.3	534.7	530.3	528.1	521.5	520.4	520.4	524.8
7.5°	541.3	543.5	533.6	533.6	523.7	525.9	520.4	521.5	519.3	516.0	513.8
10°	551.2	560.0	550.1	546.8	535.8	527.0	513.8	507.3	507.3	502.9	507.3
12.5°	578.6	575.3	569.8	558.9	545.7	528.1	496.3	464.4	438.1	418.3	428.2
15°	600.6	599.5	591.8	570.9	553.4	499.6	419.4	337.1	293.2	273.4	270.1
17.5°	634.6	631.3	618.1	590.7	532.5	413.9	287.7	218.5	175.7	165.8	162.5
20°	666.5	665.4	636.8	601.7	479.8	301.9	187.8	143.8	131.8	132.9	130.7
22.5°	700.5	695.0	661.0	588.5	382.1	200.9	134.0	128.5	124.1	123.0	125.2
25°	738.9	719.2	685.1	558.9	281.1	138.3	126.3	121.9	117.5	116.4	116.4
27.5°	754.3	741.1	696.1	487.5	177.9	120.8	118.6	113.1	107.6	104.3	103.2
30°	789.4	767.5	707.1	383.2	126.3	110.9	107.6	101.0	93.3	87.8	87.8
32.5°	824.6	798.2	708.2	267.9	105.4	99.9	94.4	85.6	75.8	70.3	71.4
35°	868.5	832.3	696.1	173.5	94.4	87.8	76.9	67.0	58.2	53.8	53.8
37.5°	943.1	909.1	646.7	114.2	85.6	74.7	63.7	52.7	45.0	41.7	41.7
40°	1037.6	993.7	578.6	90.0	75.8	63.7	50.5	40.6	36.2	32.9	32.9
42.5°	1150.7	1095.8	477.6	80.2	67.0	52.7	39.5	31.8	27.4	27.4	26.4
45°	1263.7	1173.7	374.4	73.6	59.3	43.9	30.7	25.3	23.1	22.0	22.0
47.5°	1425.1	1268.1	267.9	67.0	51.6	34.0	25.3	20.9	18.7	17.6	18.7
50°	1580.0	1357.1	189.9	60.4	42.8	27.4	20.9	18.7	16.5	15.4	15.4
52.5°	1716.1	1418.6	132.9	52.7	36.2	23.1	18.7	16.5	15.4	14.3	14.3
55°	1790.8	1397.7	91.1	45.0	29.6	19.8	16.5	14.3	13.2	12.1	12.1
57.5°	1867.6	1339.5	69.2	37.3	24.2	18.7	15.4	13.2	12.1	11.0	11.0
60°	1932.4	1296.7	53.8	29.6	19.8	15.4	13.2	11.0	9.9	8.8	7.7
62.5°	1935.7	1211.0	39.5	22.0	15.4	13.2	11.0	8.8	5.5	4.4	3.3
65°	1948.9	1121.0	28.5	16.5	11.0	9.9	7.7	4.4	2.2	0.0	0.0
67.5°	1902.8	1014.5	23.1	12.1	7.7	5.5	3.3	1.1	0.0	0.0	0.0
70°	1715.0	856.4	17.6	8.8	5.5	3.3	1.1	0.0	0.0	0.0	0.0
72.5°	1227.5	556.7	12.1	6.6	2.2	1.1	0.0	0.0	0.0	0.0	0.0
75°	654.4	237.2	8.8	4.4	1.1	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	205.3	60.4	5.5	2.2	1.1	0.0	0.0	0.0	0.0	0.0	0.0
80°	45.0	16.5	3.3	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	15.4	6.6	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	5.5	2.2	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.2	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)