

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: P676478

Luminaire Tested: **CCW-SA-1F-835-U-T3-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676478
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1F-835-U-T3-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @1200mA w/
T3 distribution lens and House Side Shield
Light Source: (16) 3500K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

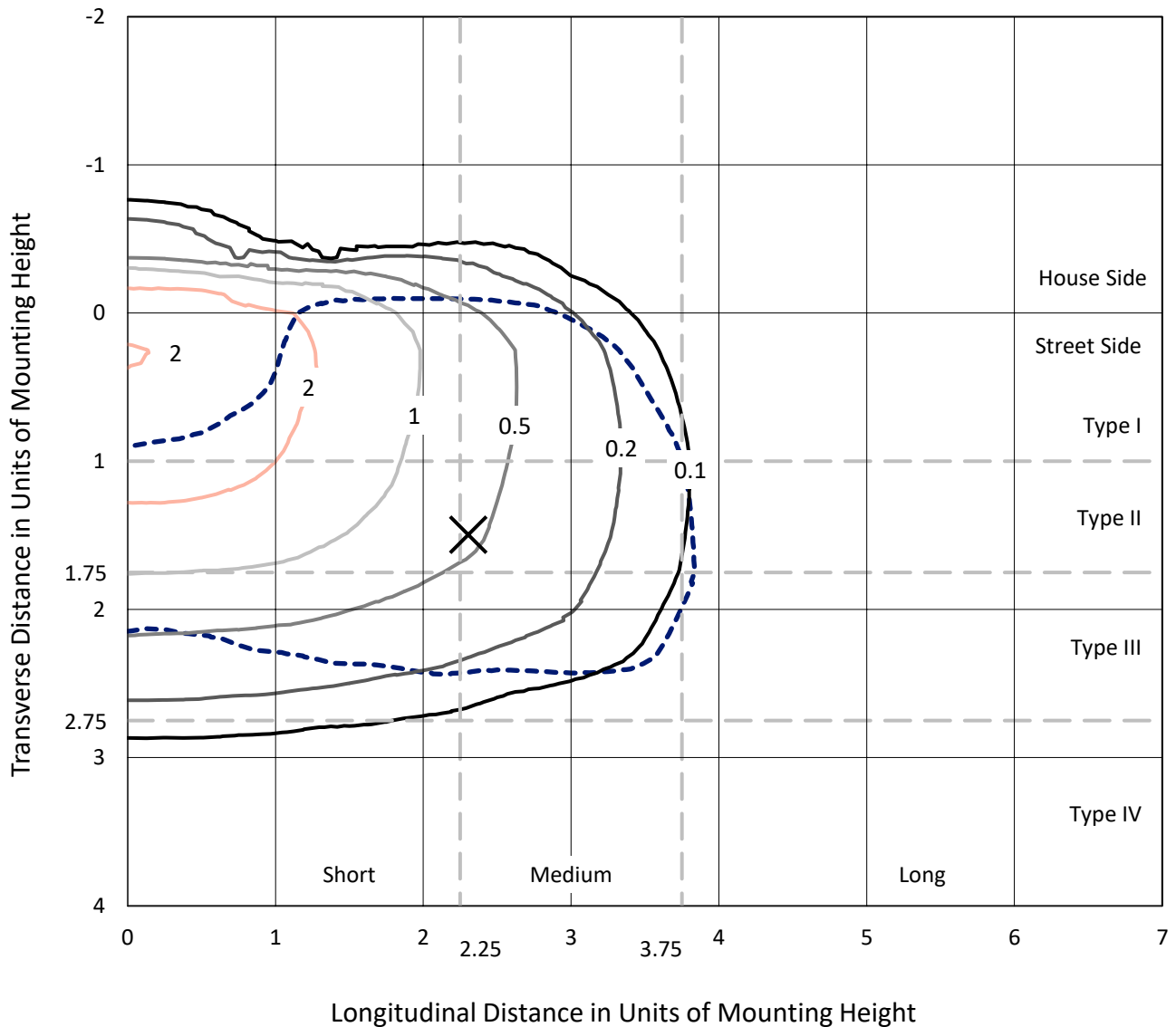
Lumens per Lamp: N/A
Luminaire Lumens: 4450.8 lumens
Efficiency: N/A
Efficacy: 66.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 67
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: P676478
 CATALOG NUMBER: CCW-SA-1F-835-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination

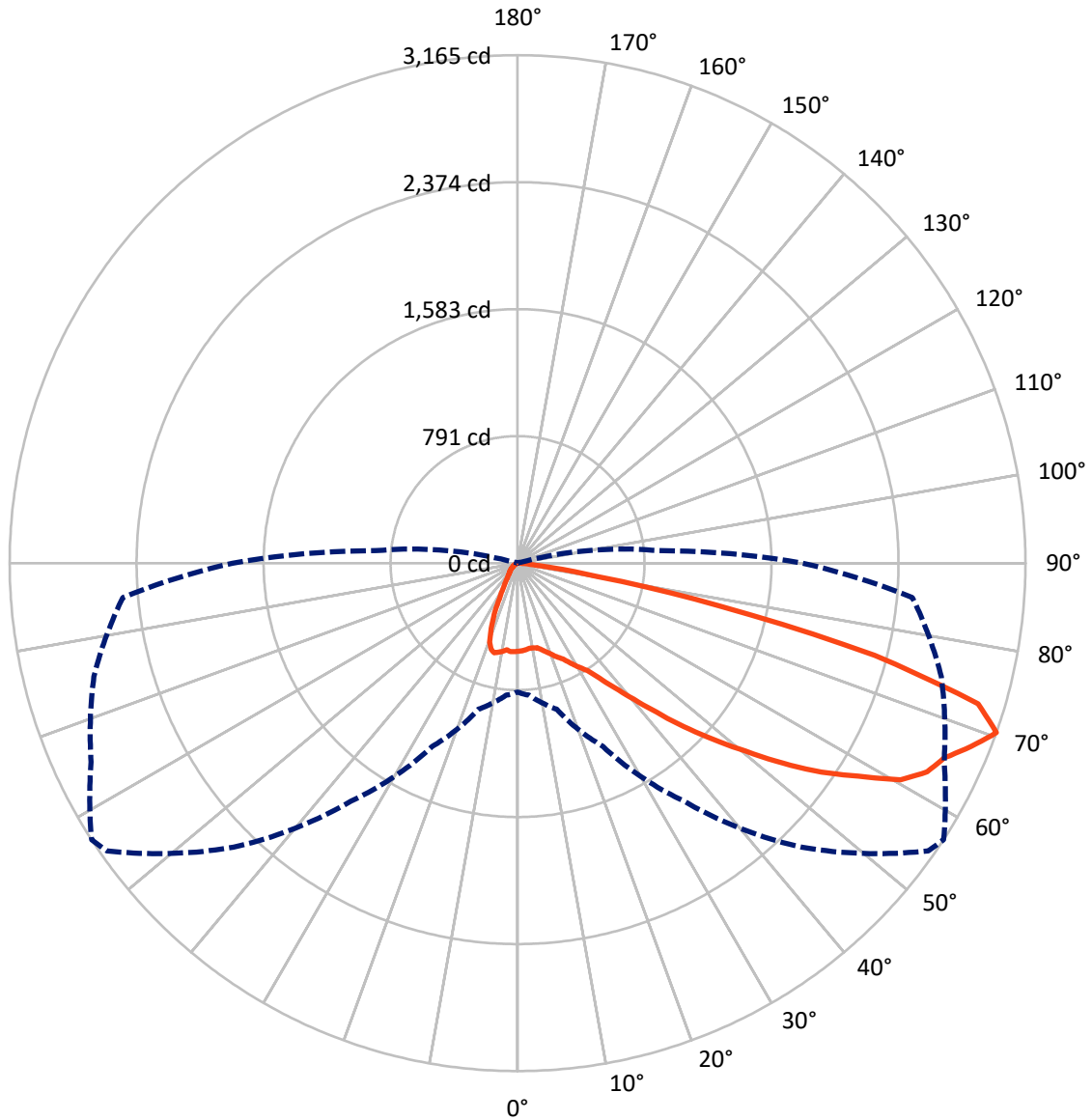
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.1 fc
 Type III - Medium - N/A

REPORT NUMBER: P676478
CATALOG NUMBER: CCW-SA-1F-835-U-T3-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P676478
 CATALOG NUMBER: CCW-SA-1F-835-U-T3-HSS

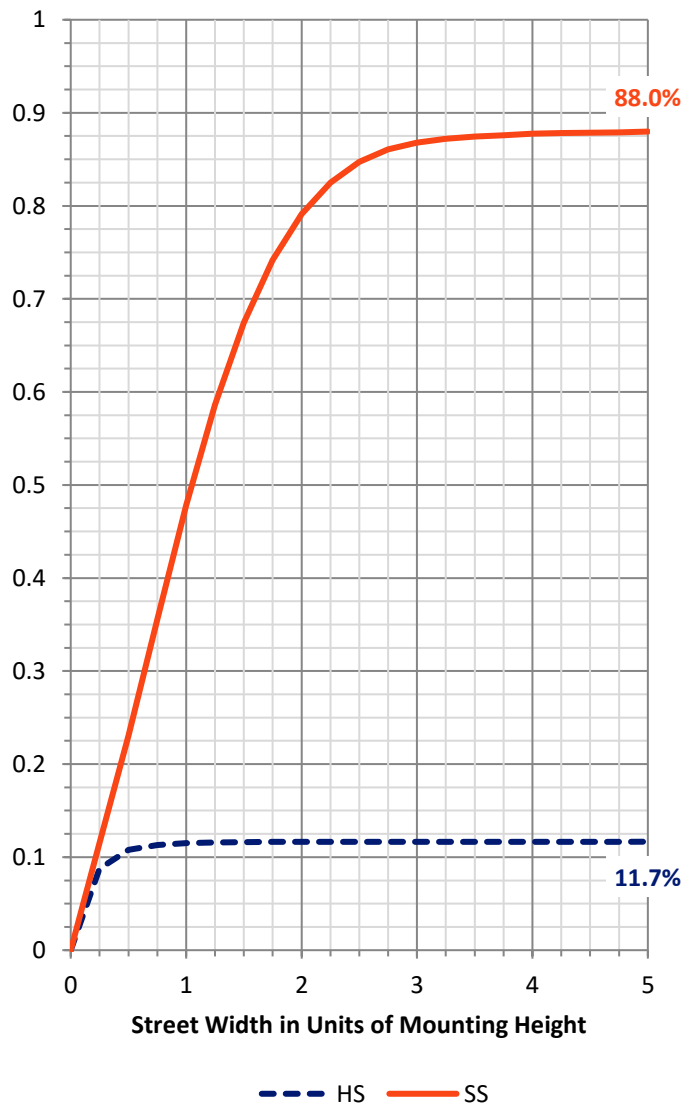
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	524.6	0.0	524.6
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	3926.1	0.0	3926.1
	% Fixture	88.2	0.0	88.2
Total	Lumens	4450.8	0.0	4450.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.3	1.2
10°-20°	143.5	3.2
20°-30°	241.7	5.4
30°-40°	413.6	9.3
40°-50°	694.6	15.6
50°-60°	1066.1	24.0
60°-70°	1230.9	27.7
70°-80°	581.4	13.1
80°-90°	27.6	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°	4450.8	100.0
0°-180°	4450.8	100.0



REPORT NUMBER: P676478

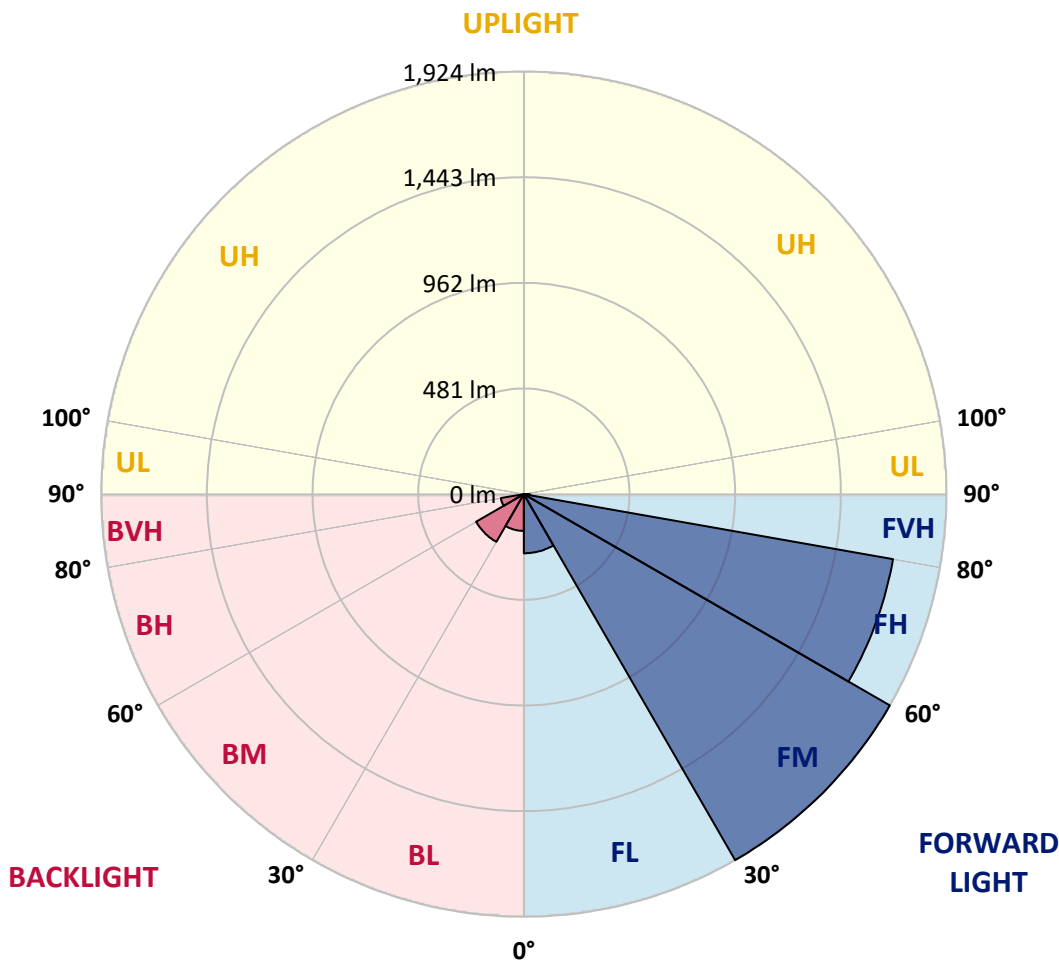
CATALOG NUMBER: CCW-SA-1F-835-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	269.3	6.0			
FM (30°-60°)	1923.6	43.2			
FH (60°-80°)	1706.2	38.3			G1/1800
FVH (80°-90°)	27.1	0.6			G1/100
BL (0°-30°)	167.2	3.8	B1/500		
BM (30°-60°)	250.8	5.6	B1/1000		
BH (60°-80°)	106.1	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: P676478
 CATALOG NUMBER: CCW-SA-1F-835-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	549.2	549.2	549.2	549.2	549.2	549.2	549.2	549.2	549.2	549.2	549.2
2.5°	541.2	537.8	541.2	545.8	541.2	544.6	543.5	546.9	542.3	542.3	545.8
5°	506.0	511.6	513.9	519.6	525.3	535.5	542.3	542.3	549.2	552.6	557.1
7.5°	493.5	484.4	493.5	498.0	503.7	520.7	531.0	535.5	544.6	557.1	563.9
10°	475.3	482.1	482.1	496.9	504.8	515.1	533.2	536.7	557.1	569.6	576.5
12.5°	474.1	474.1	479.8	490.0	506.0	525.3	548.0	541.2	562.8	585.5	596.9
15°	477.5	485.5	485.5	499.1	511.6	538.9	558.3	559.4	590.1	612.8	623.1
17.5°	492.3	488.9	493.5	501.4	520.7	546.9	578.7	582.1	617.4	648.1	662.9
20°	523.0	528.7	521.9	517.3	525.3	559.4	600.3	607.2	646.9	676.5	691.3
22.5°	637.9	633.3	606.0	574.2	560.5	576.5	620.8	636.7	683.3	718.6	731.1
25°	767.5	759.5	727.7	679.9	617.4	610.6	661.7	661.7	728.8	767.5	764.1
27.5°	890.3	888.0	850.5	800.4	711.8	662.9	694.7	707.2	780.0	811.8	797.0
30°	1015.3	1017.6	983.5	923.2	830.0	747.0	741.3	751.6	818.6	868.7	838.0
32.5°	1160.9	1140.4	1116.5	1033.5	948.2	855.0	801.6	797.0	861.8	907.3	866.4
35°	1290.5	1278.0	1251.8	1176.8	1079.0	967.6	892.5	881.2	916.4	976.7	932.3
37.5°	1404.2	1391.7	1357.6	1307.5	1231.4	1107.4	1001.7	984.6	999.4	1063.1	1009.6
40°	1502.0	1505.4	1496.3	1447.4	1376.9	1264.3	1142.7	1115.4	1102.9	1159.7	1099.5
42.5°	1572.5	1605.4	1607.7	1547.4	1490.6	1429.2	1292.8	1271.2	1241.6	1289.3	1247.3
45°	1720.3	1702.1	1713.4	1691.8	1629.3	1620.2	1465.6	1453.1	1412.1	1428.1	1383.7
47.5°	1836.2	1832.8	1854.4	1819.2	1802.1	1803.3	1662.3	1640.7	1582.7	1612.3	1562.2
50°	1903.3	1885.1	1963.6	1990.9	1987.5	2001.1	1861.3	1843.1	1787.3	1830.6	1723.7
52.5°	1919.2	1952.2	2026.1	2125.0	2167.1	2195.5	2078.4	2071.6	2011.3	2038.6	1890.8
55°	1959.0	1990.9	2034.1	2196.7	2352.4	2359.3	2292.2	2299.0	2245.6	2238.7	2050.0
57.5°	1957.9	1951.1	2070.5	2259.2	2475.2	2573.0	2536.6	2503.7	2445.7	2378.6	2152.3
60°	1886.3	1882.9	2006.8	2267.2	2542.3	2766.3	2781.1	2742.4	2596.9	2498.0	2272.8
62.5°	1744.1	1757.8	1882.9	2198.9	2606.0	2835.7	2890.2	2864.1	2683.3	2577.6	2415.0
65°	1581.6	1553.1	1698.7	2028.4	2462.7	2815.2	2933.4	2924.3	2785.6	2664.0	2545.7
67.5°	1268.9	1281.4	1392.8	1745.3	2218.3	2740.1	3034.6	3048.3	2867.5	2740.1	2585.5
70°	803.9	826.6	942.6	1260.9	1811.2	2503.7	3125.6	3165.4	2932.3	2733.3	2469.5
72.5°	234.2	243.3	401.4	628.8	1154.0	2007.9	2980.1	3000.5	2806.1	2480.9	1910.1
75°	77.3	81.9	118.2	204.7	452.5	1038.1	2201.2	2297.9	2233.0	1798.7	1092.6
77.5°	51.2	53.4	64.8	97.8	171.7	325.2	1180.2	1283.7	1258.6	842.5	352.5
80°	37.5	38.7	47.8	65.9	104.6	117.1	435.5	503.7	486.6	193.3	70.5
82.5°	23.9	23.9	35.2	46.6	65.9	58.0	126.2	139.8	136.4	73.9	27.3
85°	15.9	17.1	26.2	36.4	36.4	27.3	36.4	42.1	45.5	39.8	12.5
87.5°	4.5	5.7	14.8	25.0	14.8	13.6	12.5	13.6	15.9	21.6	6.8
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: P676478
 CATALOG NUMBER: CCW-SA-1F-835-U-T3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	549.2	549.2	549.2	549.2	549.2	549.2	549.2	549.2	549.2	549.2	549.2
2.5°	549.2	553.7	552.6	554.9	551.4	548.0	551.4	551.4	551.4	548.0	545.8
5°	553.7	551.4	553.7	549.2	553.7	549.2	546.9	540.1	538.9	538.9	543.5
7.5°	560.5	562.8	552.6	552.6	542.3	544.6	538.9	540.1	537.8	534.4	532.1
10°	570.8	579.9	569.6	566.2	554.9	545.8	532.1	525.3	525.3	520.7	525.3
12.5°	599.2	595.8	590.1	578.7	565.1	546.9	513.9	480.9	453.7	433.2	443.4
15°	621.9	620.8	612.8	591.2	573.0	517.3	434.3	349.1	303.6	283.1	279.7
17.5°	657.2	653.8	640.1	611.7	551.4	428.6	297.9	226.3	181.9	171.7	168.3
20°	690.2	689.0	659.5	623.1	496.9	312.7	194.4	148.9	136.4	137.6	135.3
22.5°	725.4	719.7	684.5	609.4	395.7	208.1	138.7	133.0	128.5	127.3	129.6
25°	765.2	744.7	709.5	578.7	291.1	143.3	130.8	126.2	121.7	120.5	120.5
27.5°	781.1	767.5	720.9	504.8	184.2	125.1	122.8	117.1	111.4	108.0	106.9
30°	817.5	794.8	732.2	396.8	130.8	114.8	111.4	104.6	96.6	91.0	91.0
32.5°	853.9	826.6	733.4	277.4	109.2	103.5	97.8	88.7	78.5	72.8	73.9
35°	899.4	861.8	720.9	179.6	97.8	91.0	79.6	69.4	60.3	55.7	55.7
37.5°	976.7	941.4	669.7	118.2	88.7	77.3	65.9	54.6	46.6	43.2	43.2
40°	1074.5	1029.0	599.2	93.2	78.5	65.9	52.3	42.1	37.5	34.1	34.1
42.5°	1191.6	1134.7	494.6	83.0	69.4	54.6	40.9	33.0	28.4	28.4	27.3
45°	1308.7	1215.4	387.7	76.2	61.4	45.5	31.8	26.2	23.9	22.7	22.7
47.5°	1475.8	1313.2	277.4	69.4	53.4	35.2	26.2	21.6	19.3	18.2	19.3
50°	1636.1	1405.3	196.7	62.5	44.3	28.4	21.6	19.3	17.1	15.9	15.9
52.5°	1777.1	1469.0	137.6	54.6	37.5	23.9	19.3	17.1	15.9	14.8	14.8
55°	1854.4	1447.4	94.4	46.6	30.7	20.5	17.1	14.8	13.6	12.5	12.5
57.5°	1934.0	1387.1	71.6	38.7	25.0	19.3	15.9	13.6	12.5	11.4	11.4
60°	2001.1	1342.8	55.7	30.7	20.5	15.9	13.6	11.4	10.2	9.1	8.0
62.5°	2004.5	1254.1	40.9	22.7	15.9	13.6	11.4	9.1	5.7	4.5	3.4
65°	2018.2	1160.9	29.6	17.1	11.4	10.2	8.0	4.5	2.3	0.0	0.0
67.5°	1970.4	1050.6	23.9	12.5	8.0	5.7	3.4	1.1	0.0	0.0	0.0
70°	1776.0	886.9	18.2	9.1	5.7	3.4	1.1	0.0	0.0	0.0	0.0
72.5°	1271.2	576.5	12.5	6.8	2.3	1.1	0.0	0.0	0.0	0.0	0.0
75°	677.6	245.6	9.1	4.5	1.1	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	212.6	62.5	5.7	2.3	1.1	0.0	0.0	0.0	0.0	0.0	0.0
80°	46.6	17.1	3.4	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	15.9	6.8	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)