

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: P676702

Luminaire Tested: **CCW-SA-2B-735-U-T4W-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676702
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2B-735-U-T4W-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @450mA w/
T4W distribution lens and House Side Shield
Light Source: (32) 3500K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

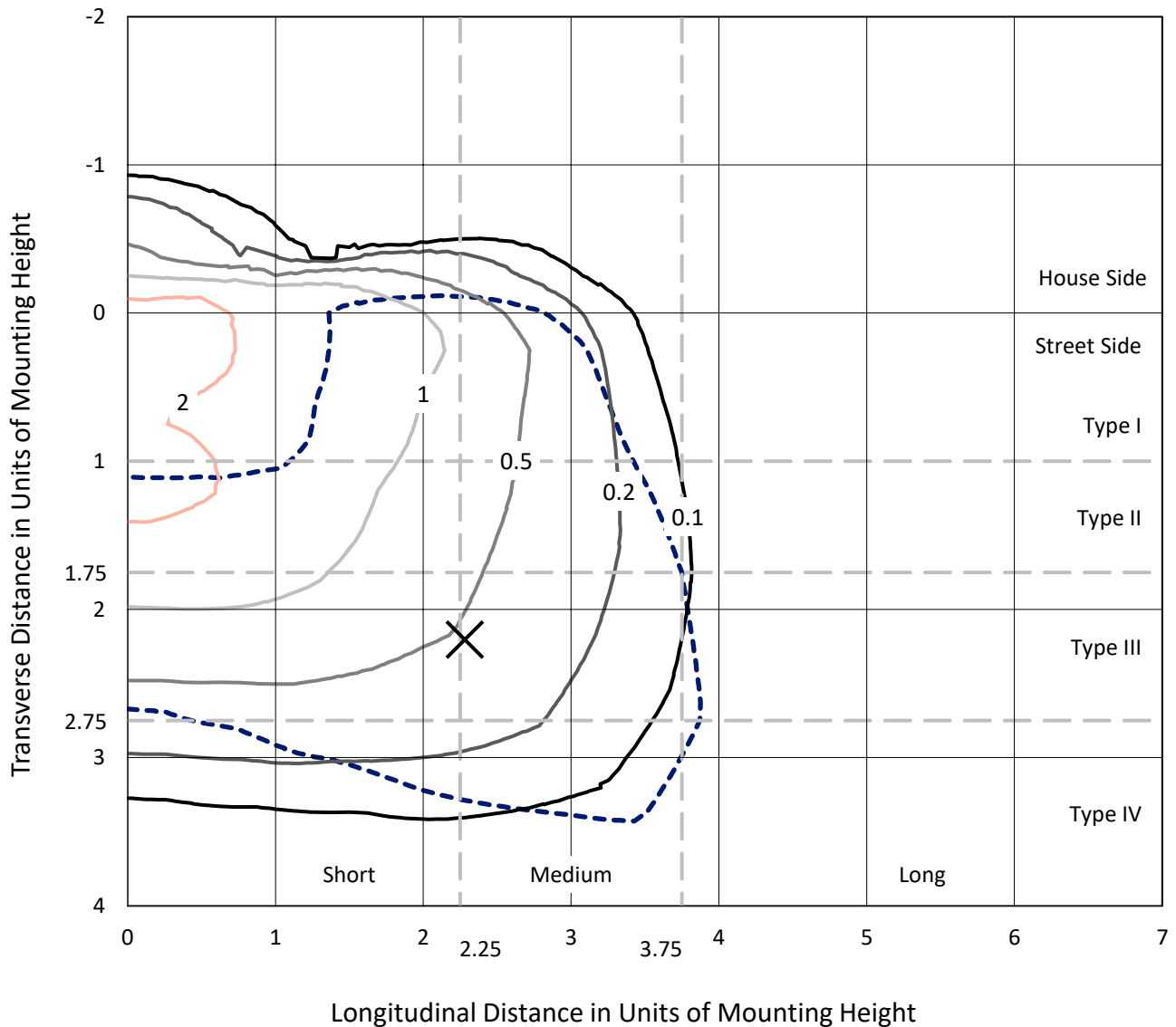
Lumens per Lamp: N/A
Luminaire Lumens: 4914.4 lumens
Efficiency: N/A
Efficacy: 106.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

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

REPORT NUMBER: P676702
 CATALOG NUMBER: CCW-SA-2B-735-U-T4W-HSS

Iso-Footcandle Lines of Horizontal Illumination

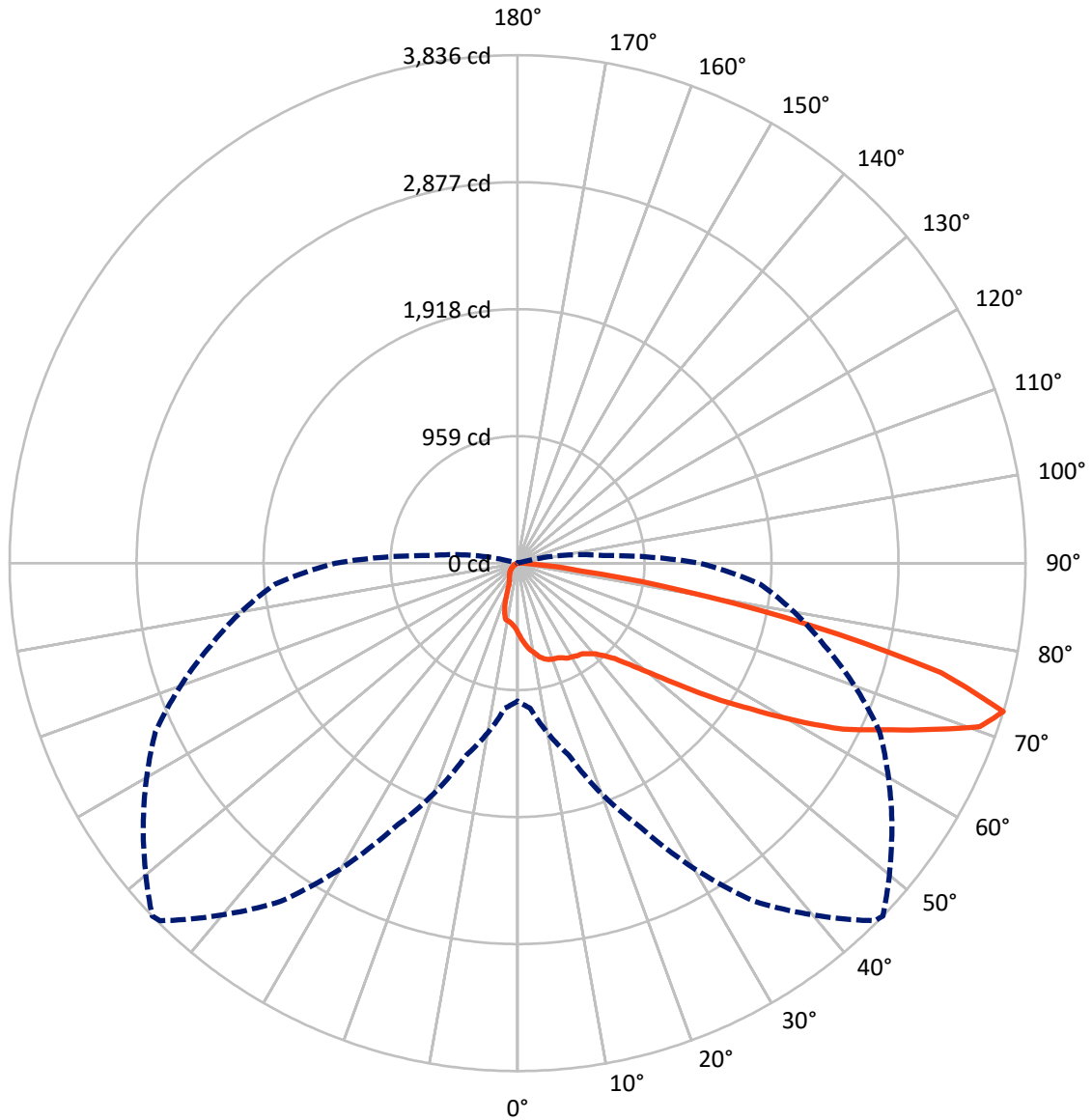
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.4 fc
 Type IV - Medium - N/A

REPORT NUMBER: P676702
CATALOG NUMBER: CCW-SA-2B-735-U-T4W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 46-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P676702

CATALOG NUMBER: CCW-SA-2B-735-U-T4W-HSS

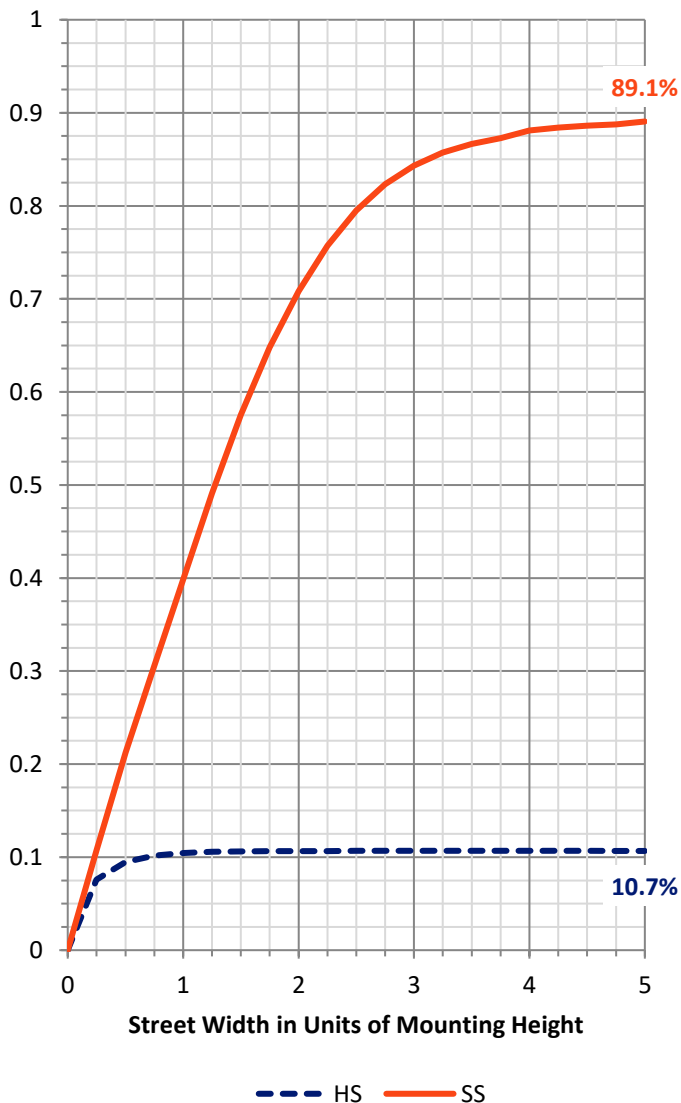
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	529.1	0.0	529.1
	% Fixture	10.8	0.0	10.8
Street Side	Lumens	4385.3	0.0	4385.3
	% Fixture	89.2	0.0	89.2
Total	Lumens	4914.4	0.0	4914.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.6	1.1
10°-20°	158.7	3.2
20°-30°	248.5	5.1
30°-40°	348.0	7.1
40°-50°	573.8	11.7
50°-60°	1031.3	21.0
60°-70°	1494.8	30.4
70°-80°	932.9	19.0
80°-90°	74.0	1.5
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°	4914.4	100.0
0°-180°	4914.4	100.0

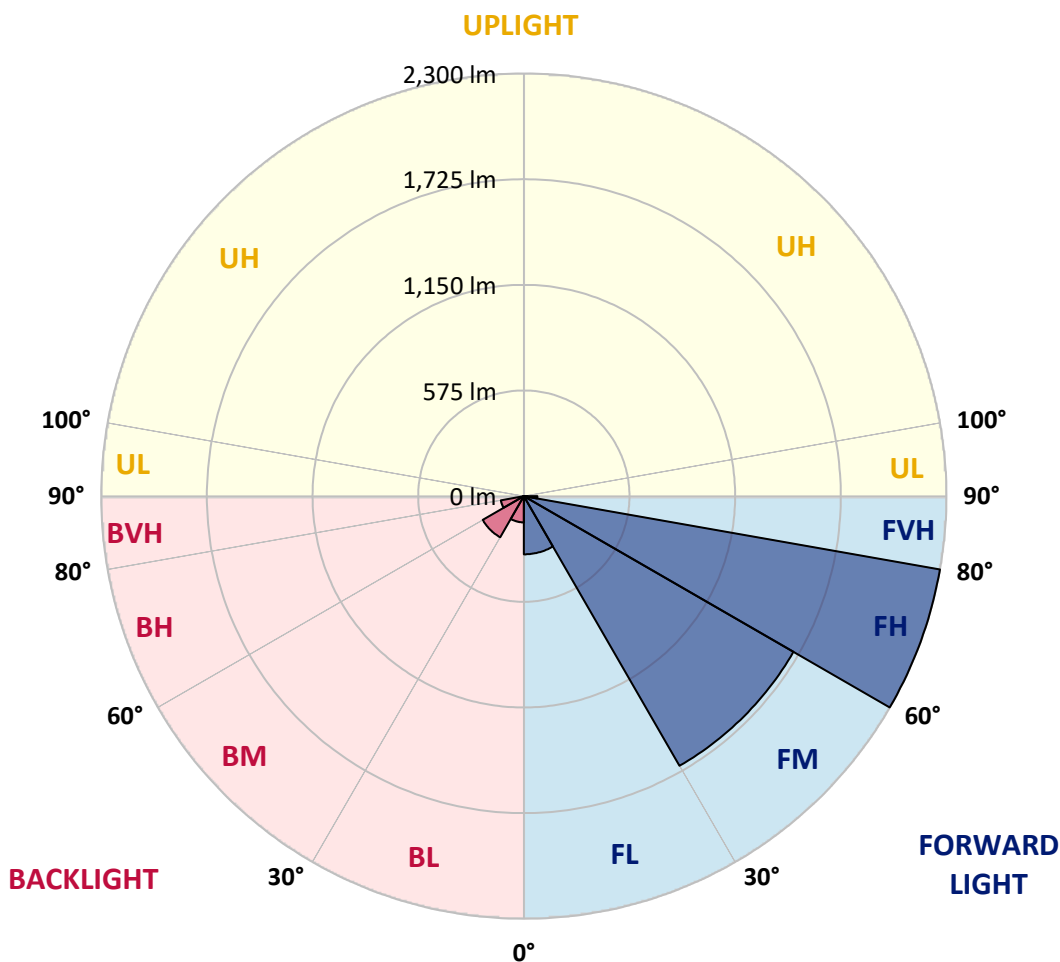


REPORT NUMBER: P676702
 CATALOG NUMBER: CCW-SA-2B-735-U-T4W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	316.8	6.4			
FM (30°-60°)	1694.6	34.5			
FH (60°-80°)	2300.4	46.8			G2/5000
FVH (80°-90°)	73.6	1.5			G1/100
BL (0°-30°)	143.0	2.9	B1/500		
BM (30°-60°)	258.5	5.3	B1/1000		
BH (60°-80°)	127.2	2.6	B1/500		G1/500
BVH (80°-90°)	0.4	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 IV Medium





REPORT NUMBER: P676702

CATALOG NUMBER: CCW-SA-2B-735-U-T4W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	525.2	525.2	525.2	525.2	525.2	525.2	525.2	525.2	525.2	525.2	525.2
2.5°	587.9	585.4	589.2	587.9	572.9	575.4	574.1	564.1	546.5	536.5	530.2
5°	655.6	661.9	656.9	645.6	636.8	619.2	616.7	600.4	572.9	555.3	536.5
7.5°	725.8	725.8	715.8	698.2	679.4	660.6	658.1	630.5	606.7	576.6	550.3
10°	778.4	772.2	764.7	745.9	724.5	699.5	686.9	666.9	640.6	604.2	570.4
12.5°	824.8	814.8	802.3	774.7	749.6	722.0	724.5	692.0	674.4	641.8	591.7
15°	851.2	842.4	831.1	806.0	767.2	754.6	749.6	729.6	698.2	665.6	618.0
17.5°	857.4	851.2	836.1	803.5	782.2	767.2	765.9	742.1	728.3	700.7	648.1
20°	844.9	833.6	822.3	801.0	781.0	775.9	772.2	772.2	754.6	718.3	666.9
22.5°	823.6	811.0	804.8	792.2	775.9	774.7	777.2	774.7	760.9	737.1	686.9
25°	807.3	801.0	791.0	787.2	777.2	796.0	792.2	788.5	784.7	757.1	718.3
27.5°	812.3	811.0	803.5	788.5	781.0	801.0	812.3	813.5	812.3	784.7	747.1
30°	814.8	808.5	801.0	797.3	799.8	819.8	819.8	847.4	836.1	808.5	775.9
32.5°	843.6	839.9	814.8	806.0	807.3	831.1	832.3	859.9	856.2	837.4	801.0
35°	905.1	880.0	843.6	818.6	818.6	849.9	839.9	880.0	890.0	859.9	818.6
37.5°	996.6	977.8	912.6	856.2	834.9	857.4	867.4	890.0	920.1	893.8	853.7
40°	1178.3	1174.6	1081.8	960.2	876.2	896.3	900.0	935.1	955.2	918.8	907.6
42.5°	1444.1	1425.3	1338.8	1147.0	951.4	942.7	956.4	979.0	1026.6	996.6	969.0
45°	1703.6	1694.8	1608.3	1393.9	1088.1	1035.4	1027.9	1068.0	1138.2	1105.6	1084.3
47.5°	1891.6	1874.0	1825.2	1644.6	1288.6	1144.5	1149.5	1189.6	1278.6	1253.5	1259.8
50°	2035.7	2027.0	1975.6	1876.5	1541.9	1316.2	1306.2	1346.3	1466.6	1482.9	1500.5
52.5°	2193.7	2210.0	2141.0	2057.1	1841.4	1546.9	1524.3	1538.1	1693.5	1731.1	1780.0
55°	2345.4	2371.7	2302.7	2291.5	2154.8	1802.6	1798.8	1766.2	1966.8	1971.8	1998.1
57.5°	2444.4	2435.6	2430.6	2492.0	2468.2	2095.9	2077.1	2044.5	2226.3	2193.7	2272.7
60°	2451.9	2477.0	2561.0	2712.7	2755.3	2440.6	2413.1	2324.1	2450.7	2372.9	2523.4
62.5°	2508.3	2528.4	2683.8	2893.2	2948.3	2744.0	2762.8	2537.2	2642.5	2581.0	2801.7
65°	2365.4	2428.1	2740.2	3033.6	3201.5	3051.1	3032.3	2811.7	2839.3	2781.6	3076.2
67.5°	2236.3	2260.1	2586.0	3076.2	3402.1	3359.5	3352.0	3054.9	3042.3	2935.8	3153.9
70°	1817.6	1846.5	2168.6	2858.1	3469.8	3719.2	3701.7	3395.8	3180.2	2851.8	2755.3
72.5°	1041.7	1099.4	1503.0	2201.2	3117.5	3819.5	3835.8	3451.0	3017.3	2398.0	1840.2
75°	341.0	357.3	624.3	1247.3	2331.6	3331.9	3303.1	2965.9	2434.4	1583.2	831.1
77.5°	115.3	117.8	184.3	451.3	1292.4	2251.4	2267.7	2119.7	1495.5	658.1	229.4
80°	58.9	62.7	90.3	169.2	531.5	1226.0	1252.3	1208.4	626.8	194.3	55.2
82.5°	27.6	28.8	52.6	94.0	243.2	481.4	481.4	529.0	221.9	109.1	22.6
85°	10.0	10.0	27.6	53.9	102.8	160.5	161.7	163.0	116.6	81.5	10.0
87.5°	3.8	3.8	13.8	22.6	37.6	48.9	48.9	38.9	58.9	53.9	3.8
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: P676702

CATALOG NUMBER: CCW-SA-2B-735-U-T4W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	525.2	525.2	525.2	525.2	525.2	525.2	525.2	525.2	525.2	525.2	525.2
2.5°	527.7	520.2	514.0	505.2	493.9	487.6	488.9	481.4	481.4	477.6	476.3
5°	527.7	520.2	503.9	488.9	478.9	466.3	460.0	455.0	455.0	452.5	453.8
7.5°	531.5	520.2	497.7	477.6	461.3	448.8	438.7	437.5	435.0	428.7	433.7
10°	554.1	537.8	500.2	472.6	453.8	440.0	422.4	417.4	409.9	398.6	399.9
12.5°	572.9	551.6	517.7	480.1	456.3	433.7	393.6	349.7	330.9	310.9	312.1
15°	600.4	570.4	524.0	490.1	456.3	383.6	310.9	254.5	224.4	209.3	209.3
17.5°	615.5	590.4	541.5	496.4	419.9	312.1	220.6	171.7	166.7	169.2	169.2
20°	646.8	613.0	561.6	501.4	359.8	221.9	161.7	156.7	159.2	164.2	163.0
22.5°	666.9	633.0	576.6	478.9	278.3	159.2	151.7	149.2	151.7	157.9	157.9
25°	683.2	661.9	600.4	423.7	196.8	144.2	141.6	144.2	146.7	149.2	152.9
27.5°	723.3	686.9	616.7	352.2	141.6	134.1	136.6	137.9	137.9	141.6	142.9
30°	749.6	720.8	629.3	272.0	125.4	124.1	126.6	127.9	129.1	132.9	134.1
32.5°	774.7	764.7	613.0	184.3	117.8	115.3	114.1	115.3	120.3	124.1	122.8
35°	811.0	804.8	589.2	127.9	110.3	105.3	102.8	104.0	107.8	111.6	110.3
37.5°	854.9	861.2	531.5	111.6	102.8	96.5	91.5	91.5	92.8	96.5	97.8
40°	906.3	922.6	463.8	104.0	97.8	90.3	85.2	79.0	77.7	76.5	77.7
42.5°	1000.3	1019.1	387.3	99.0	90.3	81.5	74.0	66.4	60.2	56.4	56.4
45°	1131.9	1116.9	287.1	94.0	86.5	74.0	62.7	53.9	45.1	41.4	41.4
47.5°	1313.7	1262.3	196.8	89.0	80.2	65.2	52.6	41.4	33.8	30.1	30.1
50°	1565.7	1396.4	127.9	84.0	76.5	56.4	42.6	30.1	25.1	23.8	25.1
52.5°	1803.8	1533.1	101.5	77.7	68.9	48.9	32.6	25.1	22.6	21.3	21.3
55°	2023.2	1602.0	90.3	71.5	62.7	40.1	27.6	21.3	20.1	18.8	18.8
57.5°	2208.7	1625.8	77.7	62.7	50.1	31.3	22.6	18.8	16.3	15.0	15.0
60°	2369.2	1632.1	60.2	50.1	36.4	23.8	18.8	16.3	13.8	11.3	11.3
62.5°	2497.0	1588.2	42.6	35.1	25.1	18.8	16.3	11.3	7.5	5.0	3.8
65°	2598.6	1500.5	28.8	23.8	16.3	13.8	10.0	5.0	1.3	0.0	0.0
67.5°	2479.5	1301.2	22.6	17.5	11.3	8.8	5.0	1.3	0.0	0.0	0.0
70°	2022.0	1009.1	16.3	11.3	7.5	2.5	1.3	0.0	0.0	0.0	0.0
72.5°	1376.4	650.6	12.5	7.5	3.8	1.3	0.0	0.0	0.0	0.0	0.0
75°	618.0	233.2	8.8	5.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	150.4	55.2	6.3	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	40.1	13.8	3.8	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	15.0	5.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	6.3	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.5	1.3	0.0	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)