

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: P676767

Luminaire Tested: **CCW-SA-2A-835-U-T4W-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676767
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2A-835-U-T4W-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @350mA w/
T4W distribution lens and House Side Shield
Light Source: (32) 3500K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

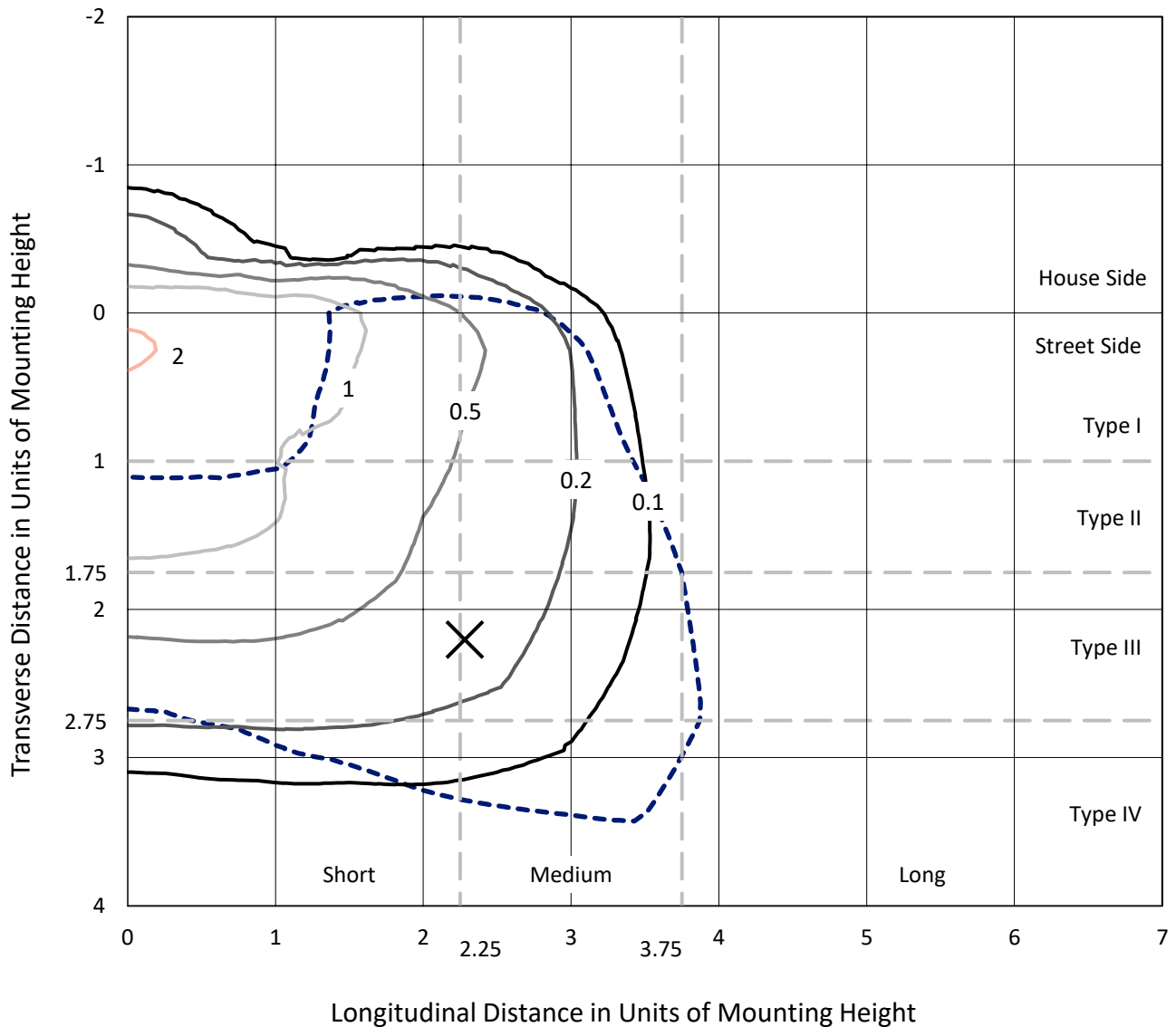
Lumens per Lamp: N/A
Luminaire Lumens: 3252.9 lumens
Efficiency: N/A
Efficacy: 89.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B0 - U0 - G1

Input Watts (W): 36.2
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: P676767
 CATALOG NUMBER: CCW-SA-2A-835-U-T4W-HSS

Iso-Footcandle Lines of Horizontal Illumination

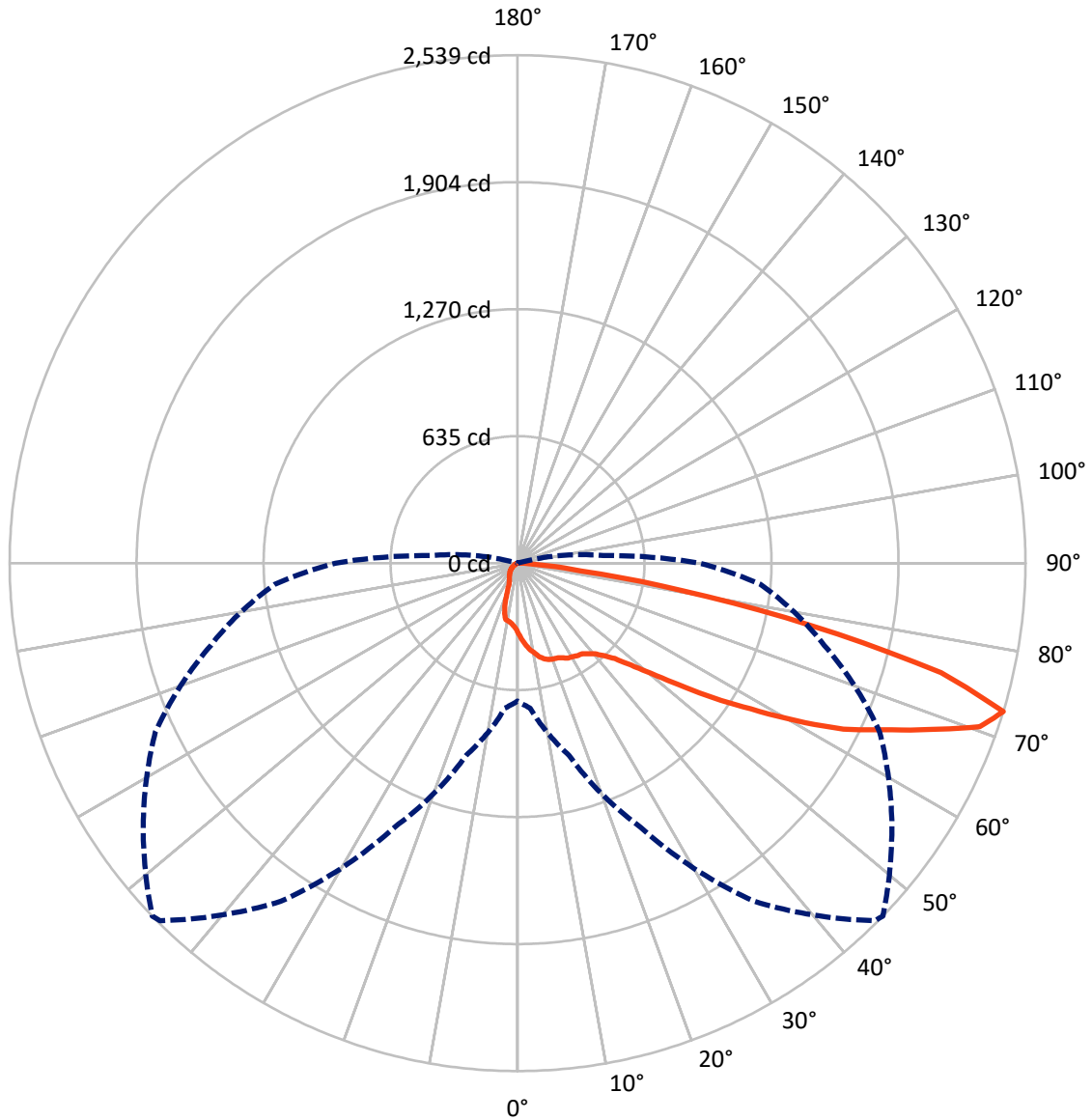
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.3 fc
 Type IV - Medium - N/A

REPORT NUMBER: P676767
CATALOG NUMBER: CCW-SA-2A-835-U-T4W-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P676767

CATALOG NUMBER: CCW-SA-2A-835-U-T4W-HSS

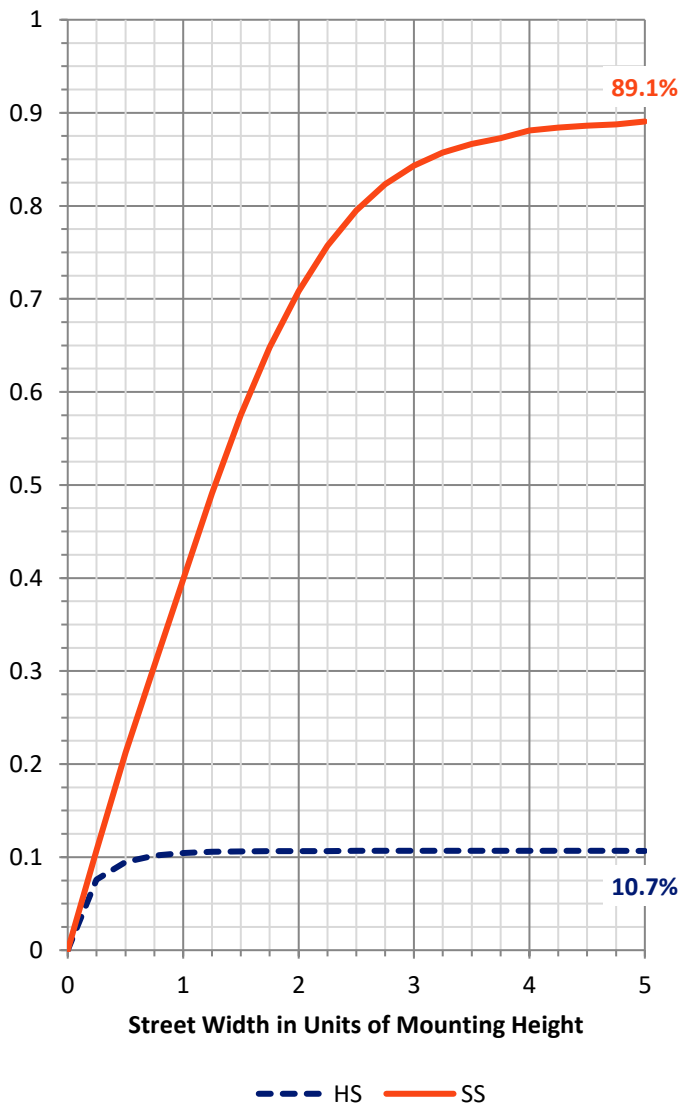
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	350.2	0.0	350.2
	% Fixture	10.8	0.0	10.8
Street Side	Lumens	2902.7	0.0	2902.7
	% Fixture	89.2	0.0	89.2
Total	Lumens	3252.9	0.0	3252.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.8	1.1
10°-20°	105.0	3.2
20°-30°	164.5	5.1
30°-40°	230.3	7.1
40°-50°	379.8	11.7
50°-60°	682.6	21.0
60°-70°	989.4	30.4
70°-80°	617.5	19.0
80°-90°	48.9	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°	3252.9	100.0
0°-180°	3252.9	100.0



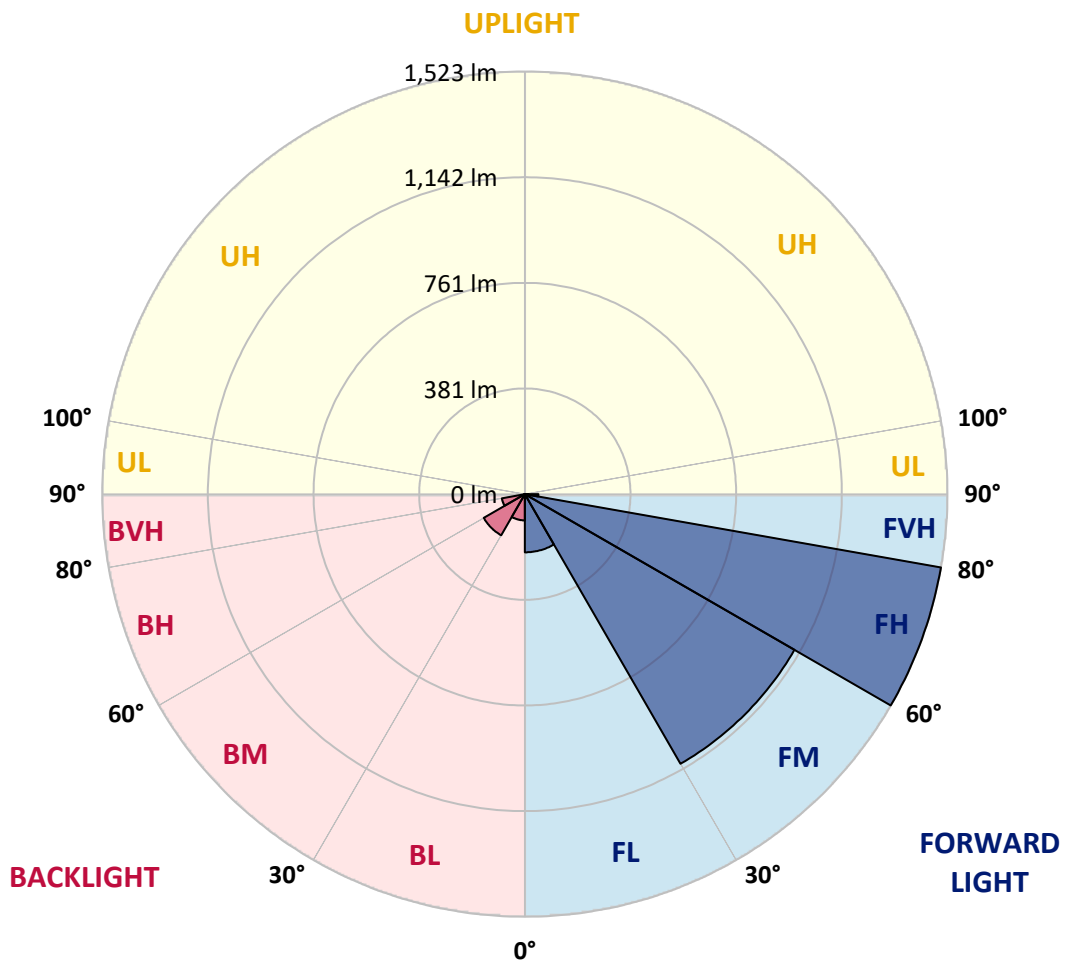
REPORT NUMBER: P676767
 CATALOG NUMBER: CCW-SA-2A-835-U-T4W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	209.7	6.4			
FM (30°-60°)	1121.7	34.5			
FH (60°-80°)	1522.7	46.8			G1/1800
FVH (80°-90°)	48.7	1.5			G1/100
BL (0°-30°)	94.6	2.9	B0/110		
BM (30°-60°)	171.1	5.3	B0/220		
BH (60°-80°)	84.2	2.6	B0/110		G0/110
BVH (80°-90°)	0.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type IV Medium





REPORT NUMBER: P676767

CATALOG NUMBER: CCW-SA-2A-835-U-T4W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	347.7	347.7	347.7	347.7	347.7	347.7	347.7	347.7	347.7	347.7	347.7
2.5°	389.1	387.5	390.0	389.1	379.2	380.8	380.0	373.4	361.8	355.1	351.0
5°	433.9	438.1	434.8	427.3	421.5	409.9	408.2	397.4	379.2	367.6	355.1
7.5°	480.4	480.4	473.8	462.2	449.7	437.3	435.6	417.4	401.6	381.7	364.2
10°	515.3	511.1	506.1	493.7	479.6	463.0	454.7	441.4	424.0	399.9	377.5
12.5°	546.0	539.3	531.0	512.8	496.2	477.9	479.6	458.0	446.4	424.8	391.6
15°	563.4	557.6	550.1	533.5	507.8	499.5	496.2	482.9	462.2	440.6	409.1
17.5°	567.5	563.4	553.4	531.9	517.7	507.8	507.0	491.2	482.1	463.8	429.0
20°	559.2	551.8	544.3	530.2	516.9	513.6	511.1	511.1	499.5	475.4	441.4
22.5°	545.1	536.8	532.7	524.4	513.6	512.8	514.4	512.8	503.6	487.9	454.7
25°	534.3	530.2	523.6	521.1	514.4	526.9	524.4	521.9	519.4	501.2	475.4
27.5°	537.7	536.8	531.9	521.9	516.9	530.2	537.7	538.5	537.7	519.4	494.5
30°	539.3	535.2	530.2	527.7	529.4	542.6	542.6	560.9	553.4	535.2	513.6
32.5°	558.4	555.9	539.3	533.5	534.3	550.1	550.9	569.2	566.7	554.3	530.2
35°	599.1	582.5	558.4	541.8	541.8	562.6	555.9	582.5	589.1	569.2	541.8
37.5°	659.6	647.2	604.0	566.7	552.6	567.5	574.2	589.1	609.0	591.6	565.0
40°	779.9	777.5	716.1	635.6	580.0	593.3	595.7	619.0	632.2	608.2	600.7
42.5°	955.8	943.4	886.1	759.2	629.8	624.0	633.1	648.0	679.5	659.6	641.4
45°	1127.6	1121.8	1064.5	922.7	720.2	685.4	680.4	706.9	753.4	731.8	717.7
47.5°	1252.1	1240.4	1208.1	1088.6	853.0	757.5	760.9	787.4	846.3	829.7	833.9
50°	1347.5	1341.7	1307.6	1242.1	1020.6	871.2	864.6	891.1	970.8	981.6	993.2
52.5°	1452.0	1462.8	1417.2	1361.6	1218.9	1023.9	1008.9	1018.1	1121.0	1145.8	1178.2
55°	1552.4	1569.8	1524.2	1516.7	1426.3	1193.1	1190.7	1169.1	1301.8	1305.2	1322.6
57.5°	1618.0	1612.2	1608.8	1649.5	1633.7	1387.3	1374.9	1353.3	1473.6	1452.0	1504.3
60°	1622.9	1639.5	1695.1	1795.5	1823.7	1615.5	1597.2	1538.3	1622.1	1570.7	1670.2
62.5°	1660.3	1673.6	1776.4	1915.0	1951.5	1816.3	1828.7	1679.4	1749.1	1708.4	1854.4
65°	1565.7	1607.2	1813.8	2007.9	2119.1	2019.5	2007.1	1861.1	1879.3	1841.2	2036.1
67.5°	1480.2	1496.0	1711.7	2036.1	2251.9	2223.7	2218.7	2022.0	2013.7	1943.2	2087.6
70°	1203.1	1222.2	1435.4	1891.8	2296.7	2461.8	2450.2	2247.7	2105.0	1887.6	1823.7
72.5°	689.5	727.7	994.8	1457.0	2063.5	2528.2	2539.0	2284.2	1997.1	1587.3	1218.0
75°	225.7	236.5	413.2	825.6	1543.3	2205.4	2186.3	1963.1	1611.3	1047.9	550.1
77.5°	76.3	78.0	122.0	298.7	855.4	1490.2	1501.0	1403.1	989.9	435.6	151.8
80°	39.0	41.5	59.7	112.0	351.8	811.5	828.9	799.9	414.9	128.6	36.5
82.5°	18.3	19.1	34.8	62.2	161.0	318.6	318.6	350.1	146.9	72.2	14.9
85°	6.6	6.6	18.3	35.7	68.0	106.2	107.0	107.9	77.2	53.9	6.6
87.5°	2.5	2.5	9.1	14.9	24.9	32.4	32.4	25.7	39.0	35.7	2.5
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: P676767
 CATALOG NUMBER: CCW-SA-2A-835-U-T4W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	347.7	347.7	347.7	347.7	347.7	347.7	347.7	347.7	347.7	347.7	347.7
2.5°	349.3	344.3	340.2	334.4	326.9	322.8	323.6	318.6	318.6	316.1	315.3
5°	349.3	344.3	333.5	323.6	317.0	308.7	304.5	301.2	301.2	299.5	300.4
7.5°	351.8	344.3	329.4	316.1	305.3	297.0	290.4	289.6	287.9	283.8	287.1
10°	366.7	356.0	331.1	312.8	300.4	291.2	279.6	276.3	271.3	263.9	264.7
12.5°	379.2	365.1	342.7	317.8	302.0	287.1	260.5	231.5	219.0	205.8	206.6
15°	397.4	377.5	346.8	324.4	302.0	253.9	205.8	168.4	148.5	138.6	138.6
17.5°	407.4	390.8	358.4	328.6	278.0	206.6	146.0	113.7	110.4	112.0	112.0
20°	428.1	405.7	371.7	331.9	238.1	146.9	107.0	103.7	105.4	108.7	107.9
22.5°	441.4	419.0	381.7	317.0	184.2	105.4	100.4	98.7	100.4	104.5	104.5
25°	452.2	438.1	397.4	280.4	130.3	95.4	93.8	95.4	97.1	98.7	101.2
27.5°	478.8	454.7	408.2	233.2	93.8	88.8	90.4	91.3	91.3	93.8	94.6
30°	496.2	477.1	416.5	180.0	83.0	82.1	83.8	84.6	85.5	88.0	88.8
32.5°	512.8	506.1	405.7	122.0	78.0	76.3	75.5	76.3	79.7	82.1	81.3
35°	536.8	532.7	390.0	84.6	73.0	69.7	68.0	68.9	71.4	73.8	73.0
37.5°	565.9	570.0	351.8	73.8	68.0	63.9	60.6	60.6	61.4	63.9	64.7
40°	599.9	610.7	307.0	68.9	64.7	59.7	56.4	52.3	51.4	50.6	51.4
42.5°	662.1	674.6	256.4	65.5	59.7	53.9	49.0	44.0	39.8	37.3	37.3
45°	749.2	739.3	190.0	62.2	57.3	49.0	41.5	35.7	29.9	27.4	27.4
47.5°	869.5	835.5	130.3	58.9	53.1	43.1	34.8	27.4	22.4	19.9	19.9
50°	1036.3	924.3	84.6	55.6	50.6	37.3	28.2	19.9	16.6	15.8	16.6
52.5°	1194.0	1014.8	67.2	51.4	45.6	32.4	21.6	16.6	14.9	14.1	14.1
55°	1339.2	1060.4	59.7	47.3	41.5	26.6	18.3	14.1	13.3	12.4	12.4
57.5°	1462.0	1076.2	51.4	41.5	33.2	20.7	14.9	12.4	10.8	10.0	10.0
60°	1568.2	1080.3	39.8	33.2	24.1	15.8	12.4	10.8	9.1	7.5	7.5
62.5°	1652.8	1051.3	28.2	23.2	16.6	12.4	10.8	7.5	5.0	3.3	2.5
65°	1720.0	993.2	19.1	15.8	10.8	9.1	6.6	3.3	0.8	0.0	0.0
67.5°	1641.2	861.3	14.9	11.6	7.5	5.8	3.3	0.8	0.0	0.0	0.0
70°	1338.3	667.9	10.8	7.5	5.0	1.7	0.8	0.0	0.0	0.0	0.0
72.5°	911.0	430.6	8.3	5.0	2.5	0.8	0.0	0.0	0.0	0.0	0.0
75°	409.1	154.3	5.8	3.3	0.8	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	99.6	36.5	4.1	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	26.6	9.1	2.5	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	10.0	3.3	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	4.1	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.7	0.8	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)