

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: P676523

Luminaire Tested: **CCW-SA-1F-722-U-T4FT-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676523
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1F-722-U-T4FT-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @1200mA w/
T4FT distribution lens and House Side Shield
Light Source: (16) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

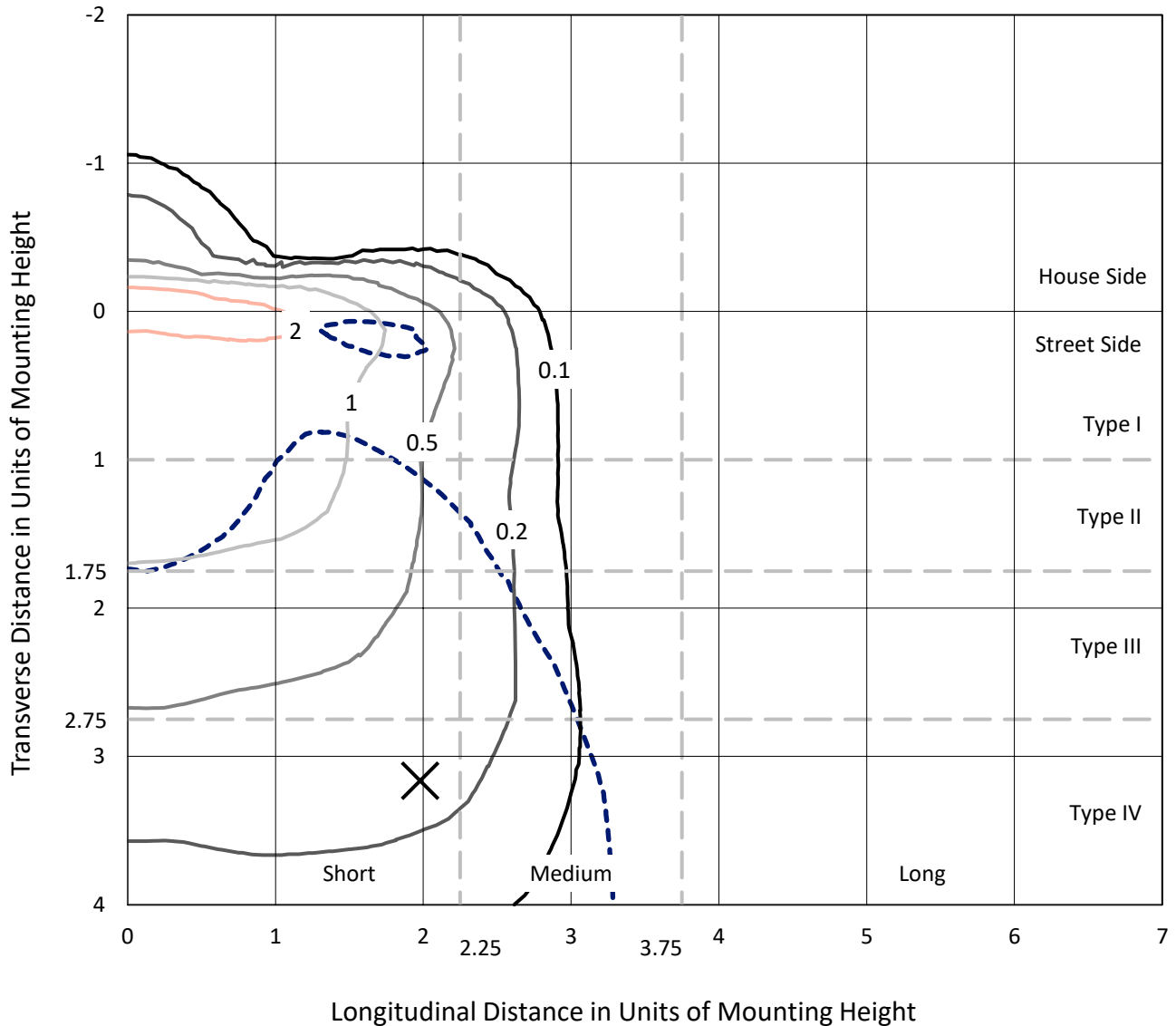
Lumens per Lamp: N/A
Luminaire Lumens: 3965.6 lumens
Efficiency: N/A
Efficacy: 59.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

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: P676523
 CATALOG NUMBER: CCW-SA-1F-722-U-T4FT-HSS

Iso-Footcandle Lines of Horizontal Illumination

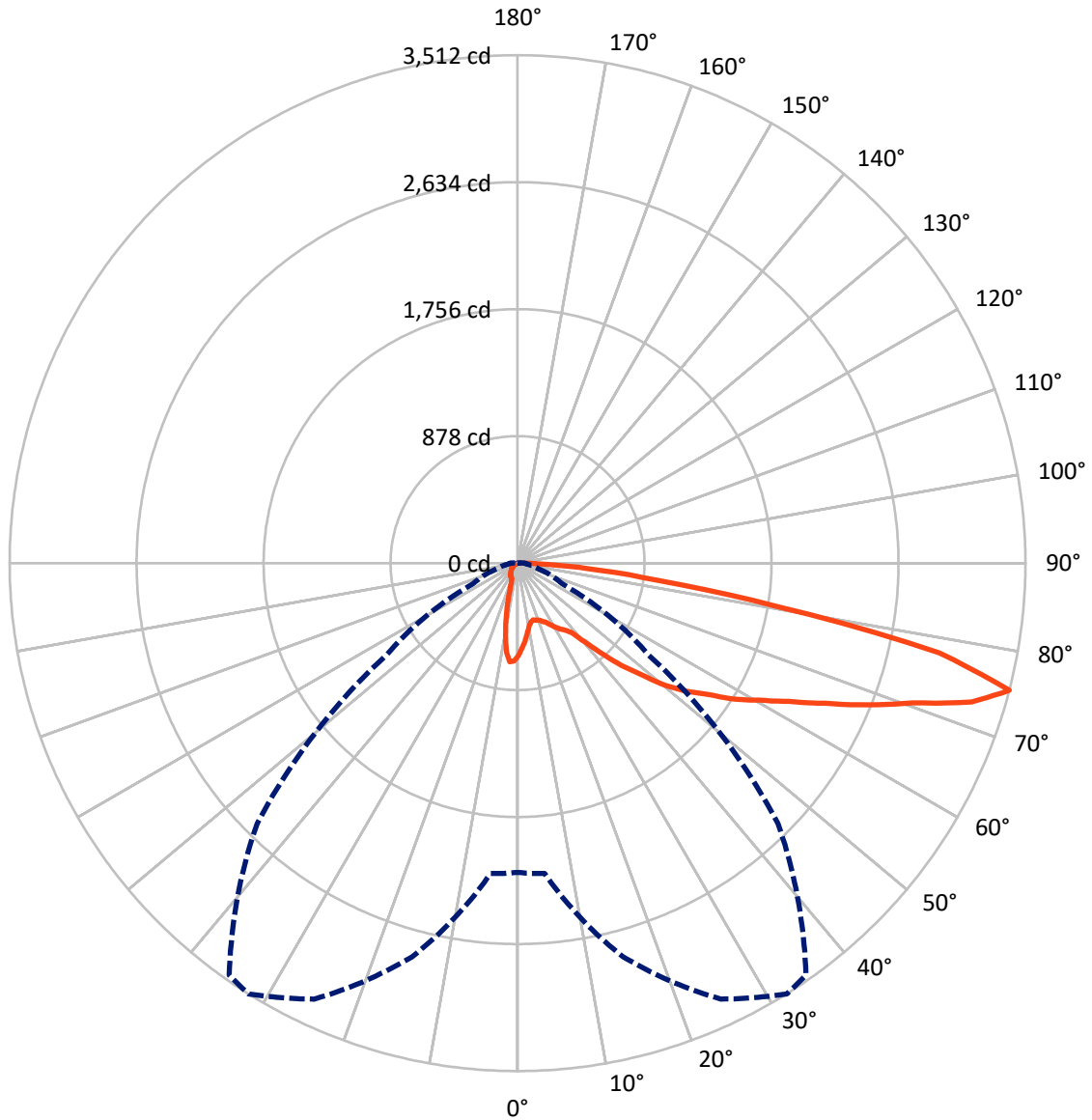
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.8 fc
 Type IV - Short - N/A

REPORT NUMBER: P676523
CATALOG NUMBER: CCW-SA-1F-722-U-T4FT-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 32-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

REPORT NUMBER: P676523
 CATALOG NUMBER: CCW-SA-1F-722-U-T4FT-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	428.4	0.0	428.4
	% Fixture	10.8	0.0	10.8
Street Side	Lumens	3537.2	0.0	3537.2
	% Fixture	89.2	0.0	89.2
Total	Lumens	3965.6	0.0	3965.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.3	1.4
10°-20°	127.7	3.2
20°-30°	191.3	4.8
30°-40°	293.6	7.4
40°-50°	513.5	12.9
50°-60°	802.6	20.2
60°-70°	1037.7	26.2
70°-80°	845.1	21.3
80°-90°	97.8	2.5
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°	3965.6	100.0
0°-180°	3965.6	100.0



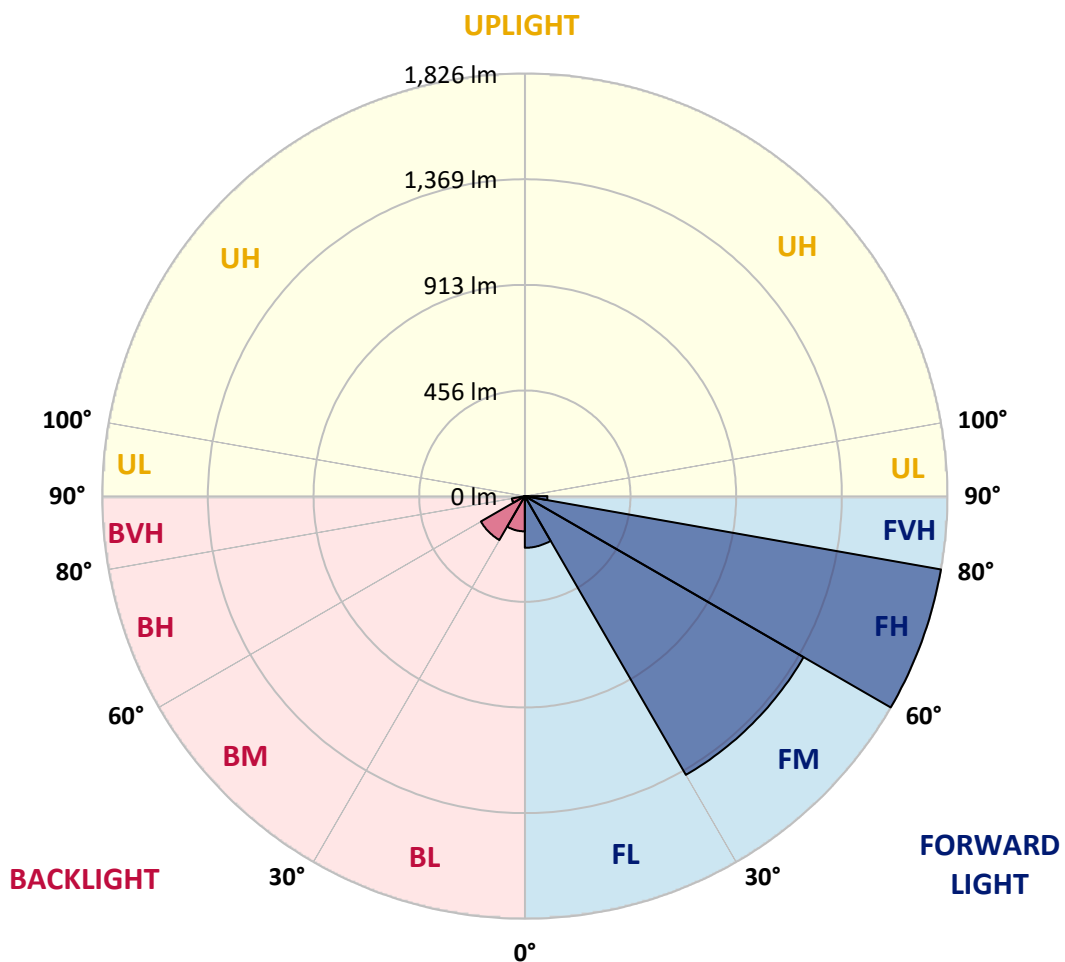
REPORT NUMBER: P676523
 CATALOG NUMBER: CCW-SA-1F-722-U-T4FT-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	223.1	5.6			
FM (30°-60°)	1390.5	35.1			
FH (60°-80°)	1825.8	46.0			G2/5000
FVH (80°-90°)	97.8	2.5			G1/100
BL (0°-30°)	152.2	3.8	B1/500		
BM (30°-60°)	219.2	5.5	B0/220		
BH (60°-80°)	57.0	1.4	B0/110		G0/110
BVH (80°-90°)	0.1	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 Short





REPORT NUMBER: P676523

CATALOG NUMBER: CCW-SA-1F-722-U-T4FT-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	32°	35°	45°	55°	65°	75°	85°
0°	640.3	640.3	640.3	640.3	640.3	640.3	640.3	640.3	640.3	640.3	640.3
2.5°	574.3	582.4	581.4	586.5	587.5	590.5	597.6	597.6	618.0	632.2	641.3
5°	522.4	517.3	519.4	525.5	540.7	539.7	557.0	566.1	590.5	610.9	632.2
7.5°	458.4	457.4	461.4	475.7	486.9	496.0	514.3	537.7	570.2	600.7	638.3
10°	417.7	415.7	423.8	427.9	441.1	447.2	475.7	512.3	550.9	594.6	638.3
12.5°	408.6	401.5	405.5	404.5	416.7	419.8	447.2	491.9	538.7	592.6	646.4
15°	413.7	408.6	404.5	404.5	407.6	409.6	439.1	478.7	531.6	595.6	664.7
17.5°	429.9	426.9	414.7	402.5	415.7	415.7	434.0	475.7	532.6	604.8	687.1
20°	449.2	446.2	424.9	410.6	419.8	429.9	449.2	482.8	535.6	611.9	721.6
22.5°	470.6	470.6	441.1	424.9	437.0	438.1	472.6	505.1	547.8	630.2	744.0
25°	497.0	495.0	466.5	448.2	452.3	463.5	495.0	529.5	570.2	655.6	785.7
27.5°	531.6	528.5	495.0	476.7	481.8	494.0	529.5	564.1	590.5	665.7	821.2
30°	560.0	557.0	529.5	502.1	513.3	524.5	566.1	596.6	615.9	685.0	861.9
32.5°	566.1	561.0	542.8	530.6	542.8	564.1	596.6	628.1	657.6	733.8	939.1
35°	636.3	618.0	570.2	550.9	569.2	576.3	630.2	686.1	714.5	772.5	1025.5
37.5°	770.4	753.1	690.1	636.3	610.9	619.0	689.1	758.2	785.7	844.6	1120.1
40°	935.1	906.6	839.5	767.4	715.5	705.4	751.1	852.8	879.2	935.1	1244.1
42.5°	1123.1	1095.7	992.0	906.6	853.8	840.6	847.7	962.5	984.9	1018.4	1325.4
45°	1258.3	1244.1	1127.2	1050.9	1009.3	995.0	977.8	1082.5	1110.9	1122.1	1443.3
47.5°	1336.6	1326.4	1261.3	1209.5	1153.6	1138.4	1149.5	1249.1	1229.8	1239.0	1556.1
50°	1441.2	1414.8	1326.4	1342.7	1331.5	1327.4	1346.7	1390.4	1362.0	1335.5	1679.1
52.5°	1525.6	1478.8	1416.8	1456.5	1473.8	1489.0	1557.1	1589.6	1462.6	1421.9	1758.4
55°	1577.4	1532.7	1549.0	1585.6	1603.9	1674.0	1754.3	1729.9	1528.6	1491.0	1864.1
57.5°	1624.2	1627.2	1670.9	1682.1	1775.6	1787.8	1942.3	1863.0	1575.4	1554.1	1905.7
60°	1737.0	1725.8	1761.4	1833.6	1923.0	1991.1	2138.5	1952.5	1598.8	1586.6	1894.5
62.5°	1940.3	1871.2	1883.4	1974.8	2106.0	2180.2	2251.3	1993.1	1592.7	1591.7	1861.0
65°	2198.5	2119.2	2082.6	2168.0	2337.7	2442.4	2378.4	2038.9	1552.0	1580.5	1736.0
67.5°	2412.9	2413.9	2345.8	2393.6	2615.2	2637.5	2498.3	2029.7	1483.9	1492.1	1431.1
70°	2659.9	2693.4	2633.5	2782.9	2893.7	2907.9	2635.5	1954.5	1337.6	1125.1	822.3
72.5°	2722.9	2740.2	2927.2	3156.9	3281.9	3286.0	2770.7	1703.5	880.2	497.0	255.1
75°	2138.5	2154.7	2817.4	3325.6	3511.6	3476.1	2545.0	1105.8	342.5	145.3	61.0
77.5°	1193.2	1198.3	1749.2	2688.4	2979.0	2835.7	1782.7	430.9	138.2	83.3	28.5
80°	326.3	383.2	648.5	1325.4	1819.3	1785.8	848.7	140.3	89.4	65.0	13.2
82.5°	78.3	84.4	208.4	586.5	961.5	1003.2	253.1	71.1	62.0	53.9	7.1
85°	28.5	31.5	64.0	285.6	494.0	453.3	76.2	35.6	45.7	41.7	3.0
87.5°	10.2	10.2	20.3	93.5	144.3	108.8	25.4	12.2	23.4	25.4	1.0
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: P676523
 CATALOG NUMBER: CCW-SA-1F-722-U-T4FT-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	640.3	640.3	640.3	640.3	640.3	640.3	640.3	640.3	640.3	640.3	640.3
2.5°	642.4	642.4	656.6	668.8	672.8	677.9	672.8	684.0	683.0	677.9	680.0
5°	643.4	661.7	673.9	682.0	686.1	685.0	687.1	674.9	667.8	662.7	657.6
7.5°	648.5	665.7	688.1	686.1	674.9	651.5	633.2	600.7	569.2	568.2	563.1
10°	665.7	681.0	694.2	686.1	645.4	574.3	516.3	472.6	433.0	414.7	416.7
12.5°	677.9	706.4	700.3	658.6	574.3	480.8	395.4	331.3	295.8	262.2	262.2
15°	703.3	713.5	711.5	619.0	486.9	375.0	271.4	206.3	168.7	153.5	151.4
17.5°	727.7	738.9	704.4	559.0	400.5	252.1	164.7	128.1	123.0	121.0	122.0
20°	758.2	759.2	698.3	499.0	300.9	159.6	117.9	114.9	115.9	114.9	114.9
22.5°	790.8	797.9	676.9	414.7	200.2	115.9	109.8	110.8	110.8	110.8	113.8
25°	833.4	822.3	643.4	334.4	131.1	106.7	106.7	107.7	107.7	107.7	108.8
27.5°	861.9	846.7	600.7	240.9	102.7	100.6	102.7	102.7	104.7	104.7	104.7
30°	920.8	881.2	546.8	155.5	92.5	95.5	97.6	99.6	100.6	102.7	103.7
32.5°	966.6	911.7	479.7	103.7	84.4	86.4	91.5	95.5	99.6	98.6	98.6
35°	1049.9	961.5	417.7	82.3	77.2	77.2	82.3	89.4	95.5	97.6	97.6
37.5°	1145.5	1002.2	331.3	75.2	71.1	71.1	74.2	82.3	90.5	94.5	92.5
40°	1224.7	1048.9	244.9	70.1	66.1	66.1	68.1	74.2	83.3	90.5	91.5
42.5°	1280.7	1083.5	165.7	65.0	62.0	61.0	64.0	67.1	74.2	84.4	86.4
45°	1331.5	1101.8	102.7	60.0	57.9	57.9	57.9	61.0	66.1	75.2	77.2
47.5°	1421.9	1122.1	74.2	55.9	52.9	53.9	54.9	55.9	60.0	62.0	63.0
50°	1498.2	1137.3	61.0	51.8	49.8	50.8	50.8	50.8	52.9	49.8	49.8
52.5°	1556.1	1122.1	51.8	47.8	45.7	46.8	45.7	45.7	43.7	39.6	39.6
55°	1598.8	1094.7	41.7	43.7	43.7	43.7	41.7	38.6	34.6	31.5	31.5
57.5°	1610.0	1047.9	32.5	36.6	39.6	39.6	35.6	31.5	26.4	23.4	22.4
60°	1592.7	946.3	24.4	26.4	30.5	31.5	28.5	23.4	18.3	15.2	15.2
62.5°	1530.7	866.0	19.3	17.3	22.4	23.4	20.3	15.2	10.2	7.1	6.1
65°	1412.8	742.0	14.2	12.2	15.2	16.3	13.2	7.1	3.0	1.0	0.0
67.5°	1133.3	559.0	9.1	8.1	10.2	10.2	6.1	2.0	0.0	0.0	0.0
70°	627.1	314.1	6.1	4.1	5.1	3.0	1.0	0.0	0.0	0.0	0.0
72.5°	180.9	89.4	3.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	48.8	21.3	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	21.3	8.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	9.1	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	5.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.0	0.0	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)