

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: P676555

Luminaire Tested: **CCW-SA-1E-735-U-T4FT-HSS**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P676555  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-1E-735-U-T4FT-HSS  
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @1050mA w/  
T4FT distribution lens and House Side Shield  
Light Source: (16) 3500K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

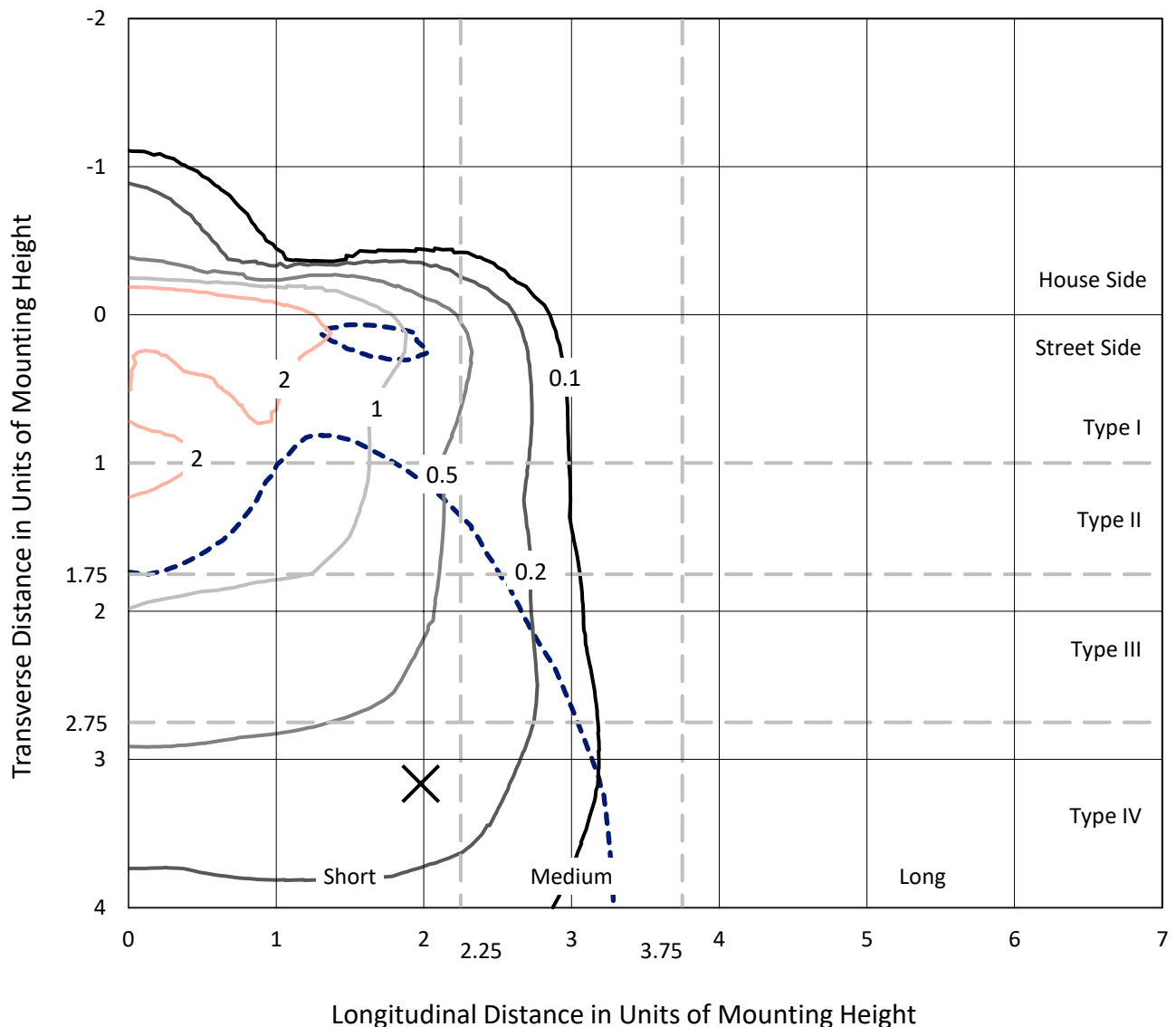
Lumens per Lamp: N/A  
Luminaire Lumens: 4842.1 lumens  
Efficiency: N/A  
Efficacy: 86.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

Input Watts (W): 56.1  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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: P676555  
 CATALOG NUMBER: CCW-SA-1E-735-U-T4FT-HSS

### Iso-Footcandle Lines of Horizontal Illumination

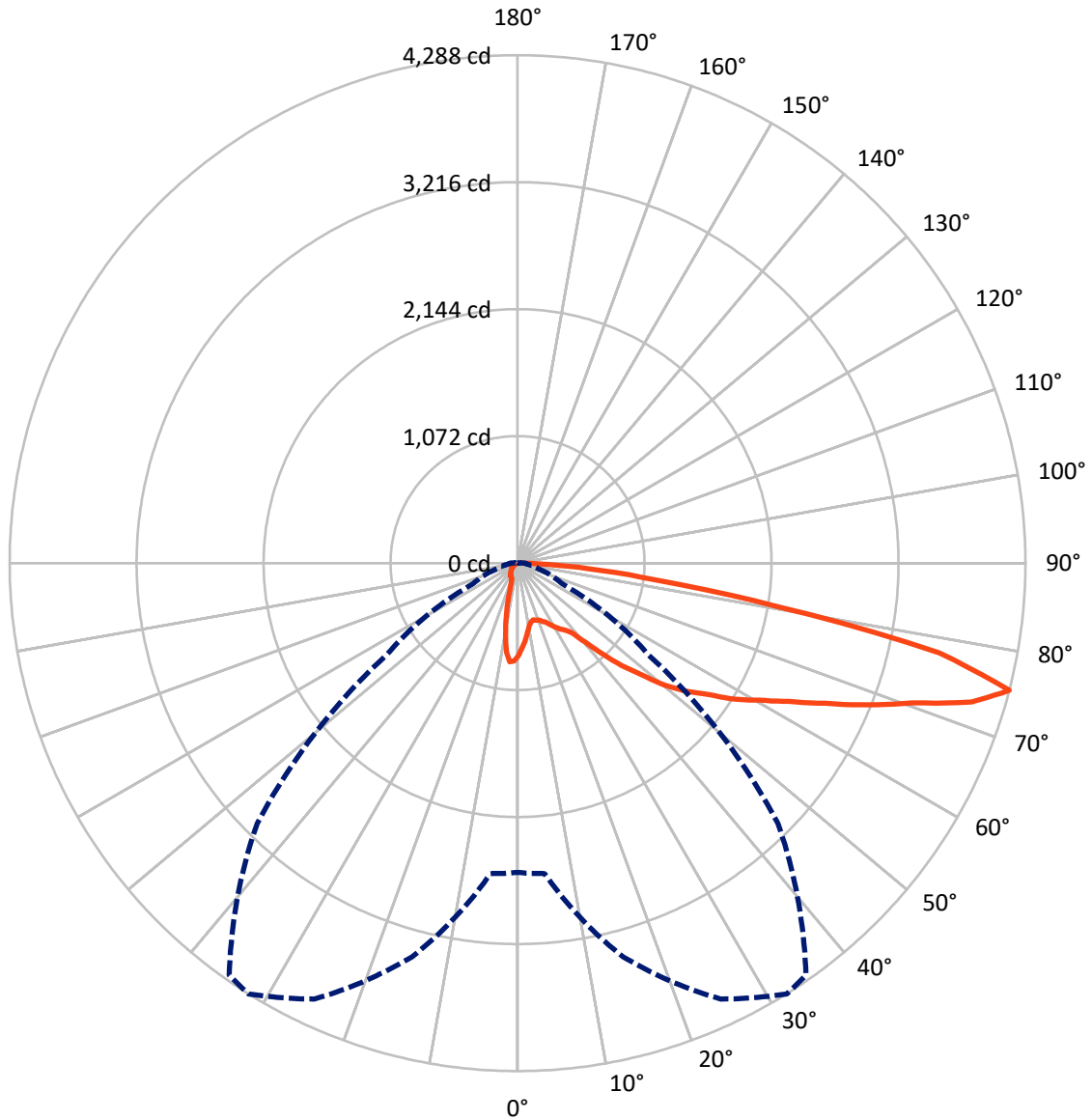
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.5 fc  
 Type IV - Short - N/A

REPORT NUMBER: P676555  
CATALOG NUMBER: CCW-SA-1E-735-U-T4FT-HSS

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P676555  
 CATALOG NUMBER: CCW-SA-1E-735-U-T4FT-HSS

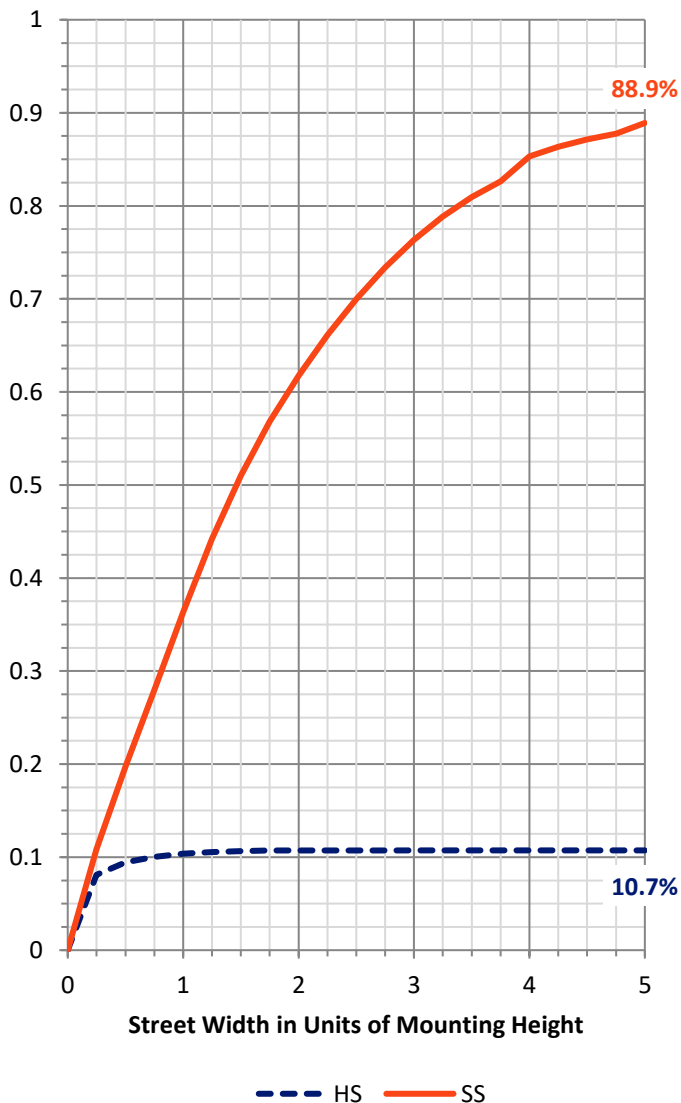
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	523.1	0.0	523.1
	% Fixture	10.8	0.0	10.8
<b>Street Side</b>	Lumens	4319.0	0.0	4319.0
	% Fixture	89.2	0.0	89.2
<b>Total</b>	Lumens	4842.1	0.0	4842.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	68.7	1.4
10°-20°	156.0	3.2
20°-30°	233.5	4.8
30°-40°	358.5	7.4
40°-50°	626.9	12.9
50°-60°	980.0	20.2
60°-70°	1267.0	26.2
70°-80°	1031.9	21.3
80°-90°	119.5	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°	4842.1	100.0
0°-180°	4842.1	100.0



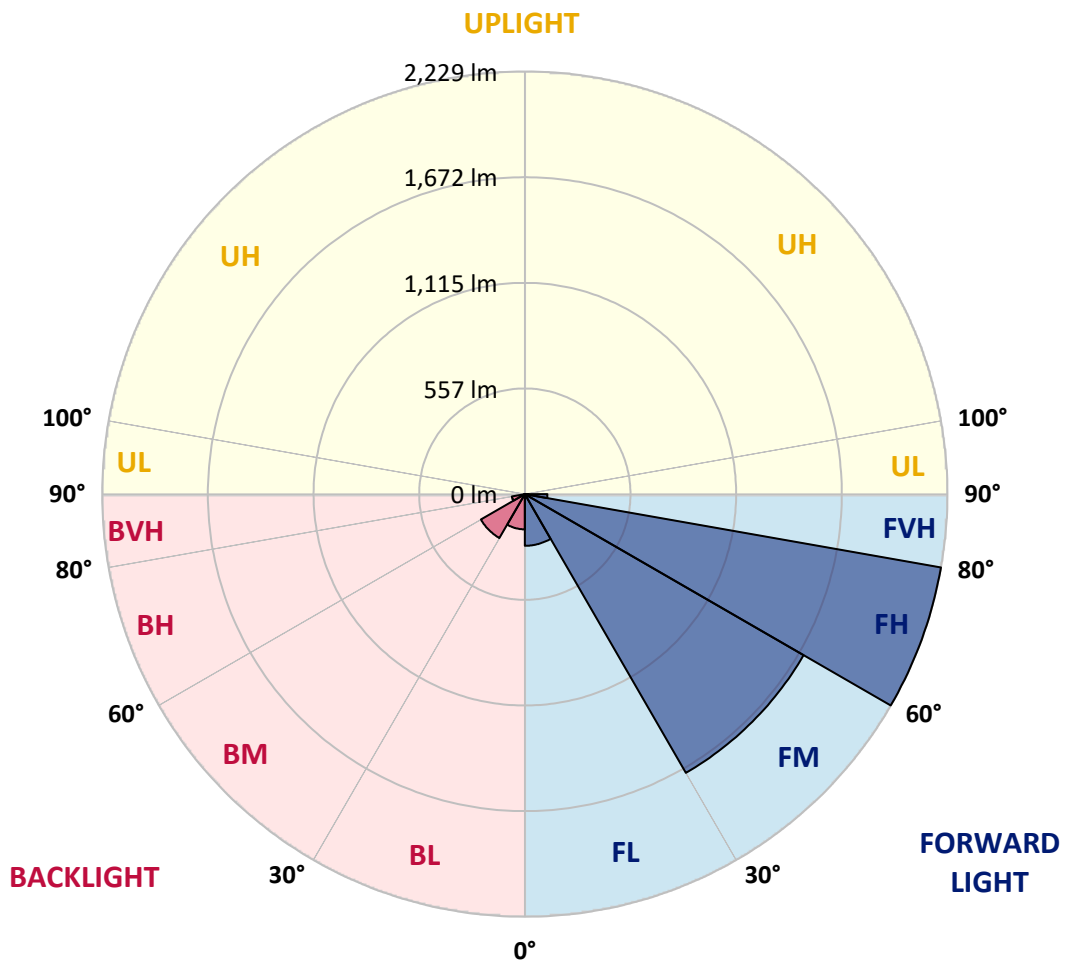
REPORT NUMBER: P676555  
 CATALOG NUMBER: CCW-SA-1E-735-U-T4FT-HSS

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	272.4	5.6			
FM (30°-60°)	1697.8	35.1			
FH (60°-80°)	2229.3	46.0			G2/5000
FVH (80°-90°)	119.4	2.5			G2/225
BL (0°-30°)	185.8	3.8	B1/500		
BM (30°-60°)	267.6	5.5	B1/1000		
BH (60°-80°)	69.6	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: P676555

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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	32°	35°	45°	55°	65°	75°	85°
0°	781.8	781.8	781.8	781.8	781.8	781.8	781.8	781.8	781.8	781.8	781.8
2.5°	701.2	711.1	709.9	716.1	717.3	721.0	729.7	729.7	754.5	771.9	783.1
5°	637.9	631.7	634.2	641.6	660.2	659.0	680.1	691.2	721.0	745.9	771.9
7.5°	559.7	558.5	563.4	580.8	594.4	605.6	628.0	656.5	696.2	733.4	779.4
10°	510.1	507.6	517.5	522.5	538.6	546.0	580.8	625.5	672.6	726.0	779.4
12.5°	498.9	490.2	495.2	493.9	508.8	512.5	546.0	600.7	657.7	723.5	789.3
15°	505.1	498.9	493.9	493.9	497.6	500.1	536.1	584.5	649.1	727.2	811.6
17.5°	525.0	521.2	506.3	491.4	507.6	507.6	529.9	580.8	650.3	738.4	838.9
20°	548.5	544.8	518.7	501.4	512.5	525.0	548.5	589.5	654.0	747.1	881.1
22.5°	574.6	574.6	538.6	518.7	533.6	534.9	577.1	616.8	668.9	769.4	908.4
25°	606.9	604.4	569.6	547.3	552.3	565.9	604.4	646.6	696.2	800.5	959.3
27.5°	649.1	645.3	604.4	582.0	588.2	603.1	646.6	688.8	721.0	812.9	1002.7
30°	683.8	680.1	646.6	613.1	626.7	640.4	691.2	728.5	752.1	836.4	1052.4
32.5°	691.2	685.0	662.7	647.8	662.7	688.8	728.5	766.9	802.9	896.0	1146.7
35°	776.9	754.5	696.2	672.6	695.0	703.7	769.4	837.7	872.4	943.2	1252.2
37.5°	940.7	919.6	842.7	776.9	745.9	755.8	841.4	925.8	959.3	1031.3	1367.6
40°	1141.7	1107.0	1025.1	937.0	873.7	861.3	917.1	1041.2	1073.5	1141.7	1519.0
42.5°	1371.3	1337.8	1211.2	1107.0	1042.5	1026.3	1035.0	1175.2	1202.5	1243.5	1618.3
45°	1536.4	1519.0	1376.3	1283.2	1232.3	1215.0	1193.9	1321.7	1356.4	1370.1	1762.2
47.5°	1631.9	1619.5	1540.1	1476.8	1408.6	1389.9	1403.6	1525.2	1501.6	1512.8	1900.0
50°	1759.8	1727.5	1619.5	1639.4	1625.7	1620.8	1644.3	1697.7	1663.0	1630.7	2050.2
52.5°	1862.8	1805.7	1730.0	1778.4	1799.5	1818.1	1901.2	1941.0	1785.8	1736.2	2147.0
55°	1926.1	1871.5	1891.3	1936.0	1958.3	2044.0	2142.0	2112.2	1866.5	1820.6	2276.0
57.5°	1983.1	1986.9	2040.2	2053.9	2168.1	2183.0	2371.6	2274.8	1923.6	1897.5	2326.9
60°	2120.9	2107.2	2150.7	2238.8	2348.0	2431.2	2611.1	2384.0	1952.1	1937.2	2313.3
62.5°	2369.1	2284.7	2299.6	2411.3	2571.4	2662.0	2748.9	2433.6	1944.7	1943.4	2272.3
65°	2684.3	2587.5	2542.8	2647.1	2854.3	2982.2	2904.0	2489.5	1895.0	1929.8	2119.7
67.5°	2946.2	2947.4	2864.3	2922.6	3193.1	3220.4	3050.4	2478.3	1811.9	1821.8	1747.4
70°	3247.7	3288.7	3215.5	3397.9	3533.2	3550.6	3218.0	2386.5	1633.2	1373.8	1004.0
72.5°	3324.7	3345.8	3574.1	3854.6	4007.2	4012.2	3383.0	2079.9	1074.7	606.9	311.5
75°	2611.1	2631.0	3440.1	4060.6	4287.7	4244.3	3107.5	1350.2	418.2	177.5	74.5
77.5°	1457.0	1463.2	2135.8	3282.5	3637.4	3462.4	2176.7	526.2	168.8	101.8	34.7
80°	398.4	467.9	791.8	1618.3	2221.4	2180.5	1036.3	171.3	109.2	79.4	16.1
82.5°	95.6	103.0	254.4	716.1	1174.0	1224.9	309.0	86.9	75.7	65.8	8.7
85°	34.7	38.5	78.2	348.7	603.1	553.5	93.1	43.4	55.8	50.9	3.7
87.5°	12.4	12.4	24.8	114.2	176.2	132.8	31.0	14.9	28.5	31.0	1.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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 CATALOG NUMBER: CCW-SA-1E-735-U-T4FT-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	781.8	781.8	781.8	781.8	781.8	781.8	781.8	781.8	781.8	781.8	781.8
2.5°	784.3	784.3	801.7	816.6	821.6	827.8	821.6	835.2	834.0	827.8	830.2
5°	785.6	807.9	822.8	832.7	837.7	836.4	838.9	824.0	815.3	809.1	802.9
7.5°	791.8	812.9	840.2	837.7	824.0	795.5	773.2	733.4	695.0	693.7	687.5
10°	812.9	831.5	847.6	837.7	788.0	701.2	630.4	577.1	528.7	506.3	508.8
12.5°	827.8	862.5	855.1	804.2	701.2	587.0	482.8	404.6	361.1	320.2	320.2
15°	858.8	871.2	868.7	755.8	594.4	457.9	331.4	251.9	206.0	187.4	184.9
17.5°	888.6	902.2	860.0	682.6	489.0	307.8	201.0	156.4	150.2	147.7	148.9
20°	925.8	927.0	852.6	609.3	367.3	194.8	144.0	140.2	141.5	140.2	140.2
22.5°	965.5	974.2	826.5	506.3	244.5	141.5	134.0	135.3	135.3	135.3	139.0
25°	1017.6	1004.0	785.6	408.3	160.1	130.3	130.3	131.5	131.5	131.5	132.8
27.5°	1052.4	1033.8	733.4	294.1	125.3	122.9	125.3	125.3	127.8	127.8	127.8
30°	1124.4	1076.0	667.7	189.9	112.9	116.7	119.1	121.6	122.9	125.3	126.6
32.5°	1180.2	1113.2	585.8	126.6	103.0	105.5	111.7	116.7	121.6	120.4	120.4
35°	1282.0	1174.0	510.1	100.5	94.3	94.3	100.5	109.2	116.7	119.1	119.1
37.5°	1398.6	1223.6	404.6	91.8	86.9	86.9	90.6	100.5	110.5	115.4	112.9
40°	1495.4	1280.7	299.1	85.6	80.7	80.7	83.1	90.6	101.8	110.5	111.7
42.5°	1563.7	1322.9	202.3	79.4	75.7	74.5	78.2	81.9	90.6	103.0	105.5
45°	1625.7	1345.3	125.3	73.2	70.7	70.7	70.7	74.5	80.7	91.8	94.3
47.5°	1736.2	1370.1	90.6	68.3	64.5	65.8	67.0	68.3	73.2	75.7	76.9
50°	1829.3	1388.7	74.5	63.3	60.8	62.1	62.1	62.1	64.5	60.8	60.8
52.5°	1900.0	1370.1	63.3	58.3	55.8	57.1	55.8	55.8	53.4	48.4	48.4
55°	1952.1	1336.6	50.9	53.4	53.4	53.4	50.9	47.2	42.2	38.5	38.5
57.5°	1965.8	1279.5	39.7	44.7	48.4	48.4	43.4	38.5	32.3	28.5	27.3
60°	1944.7	1155.4	29.8	32.3	37.2	38.5	34.7	28.5	22.3	18.6	18.6
62.5°	1869.0	1057.3	23.6	21.1	27.3	28.5	24.8	18.6	12.4	8.7	7.4
65°	1725.0	905.9	17.4	14.9	18.6	19.9	16.1	8.7	3.7	1.2	0.0
67.5°	1383.7	682.6	11.2	9.9	12.4	12.4	7.4	2.5	0.0	0.0	0.0
70°	765.7	383.5	7.4	5.0	6.2	3.7	1.2	0.0	0.0	0.0	0.0
72.5°	220.9	109.2	3.7	2.5	1.2	0.0	0.0	0.0	0.0	0.0	0.0
75°	59.6	26.1	2.5	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	26.1	9.9	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	11.2	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	6.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.2	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)