

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: P676667

Luminaire Tested: **CCW-SA-1F-722-U-T4W-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676667
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-T4W-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @1200mA w/
T4W distribution lens and House Side Shield
Light Source: (16) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

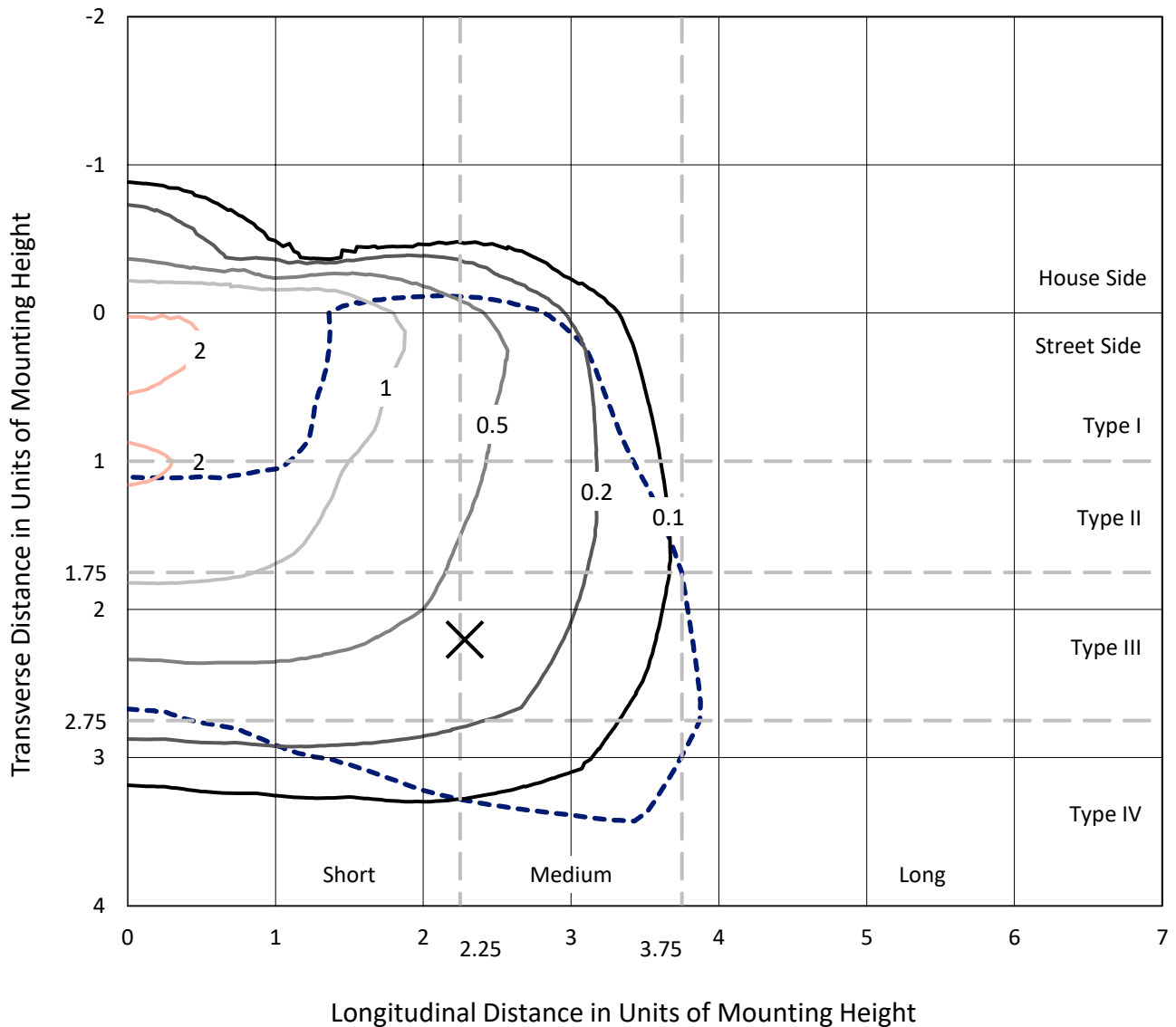
Lumens per Lamp: N/A
Luminaire Lumens: 3984.6 lumens
Efficiency: N/A
Efficacy: 59.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

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

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Iso-Footcandle Lines of Horizontal Illumination

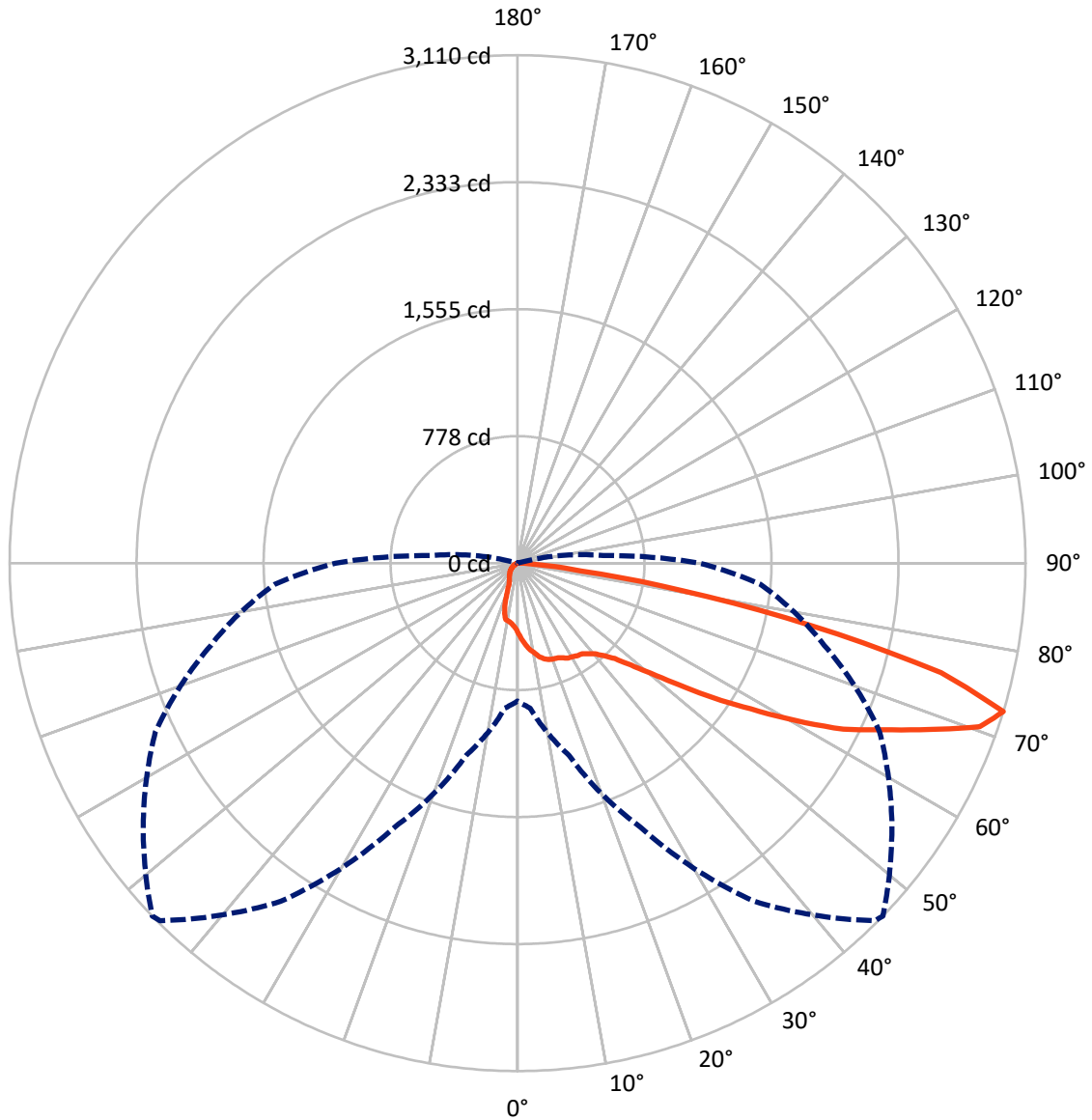
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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

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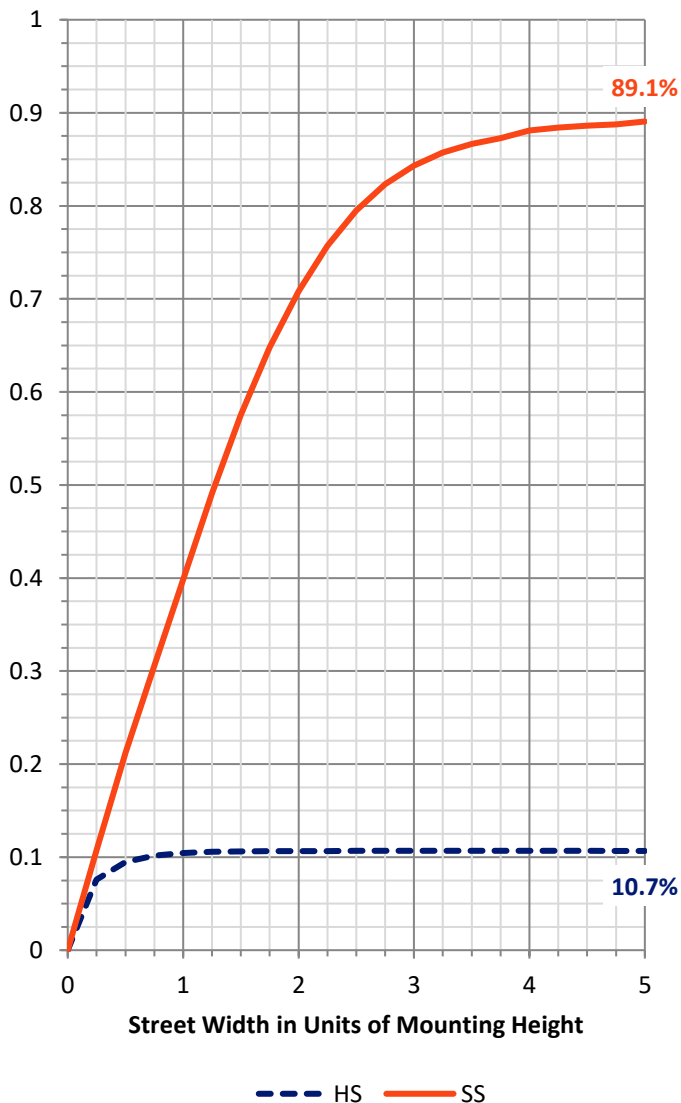
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	429.0	0.0	429.0
	% Fixture	10.8	0.0	10.8
Street Side	Lumens	3555.6	0.0	3555.6
	% Fixture	89.2	0.0	89.2
Total	Lumens	3984.6	0.0	3984.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.6	1.1
10°-20°	128.7	3.2
20°-30°	201.5	5.1
30°-40°	282.1	7.1
40°-50°	465.2	11.7
50°-60°	836.2	21.0
60°-70°	1212.0	30.4
70°-80°	756.4	19.0
80°-90°	60.0	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°	3984.6	100.0
0°-180°	3984.6	100.0

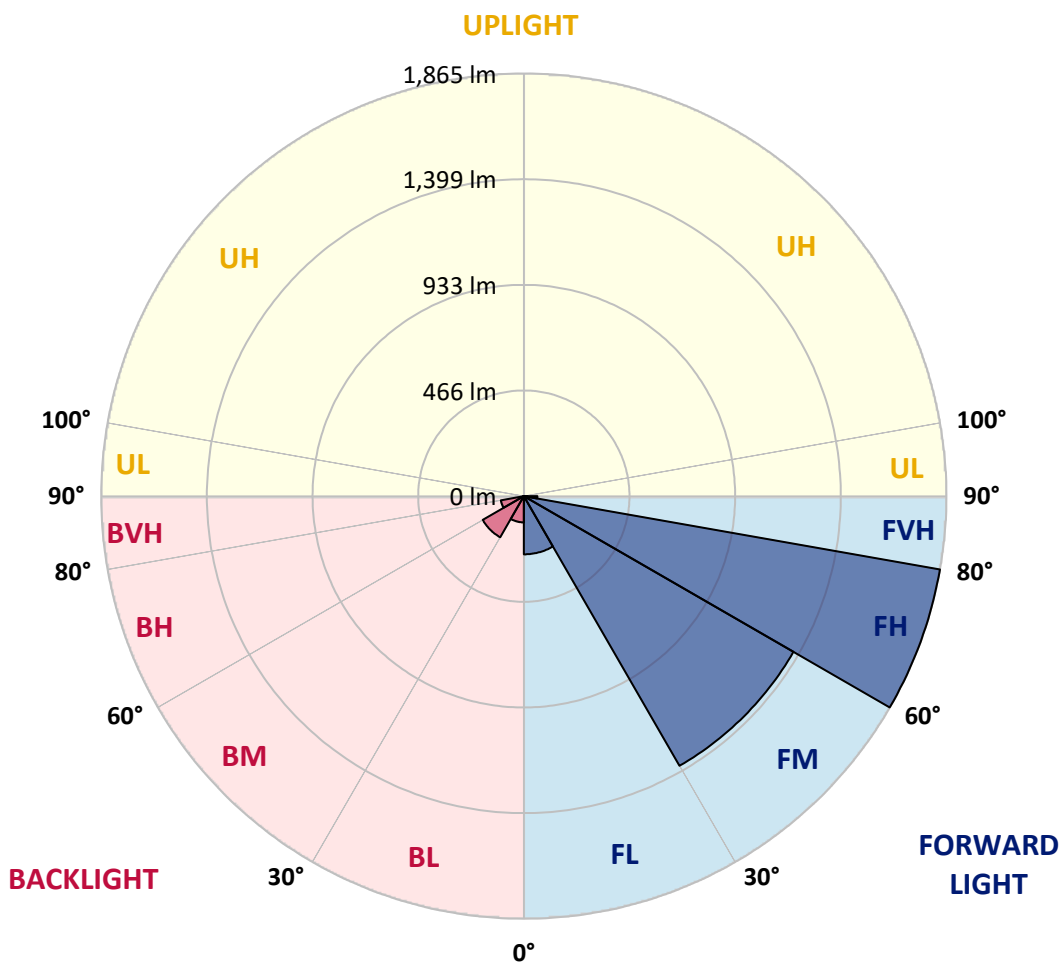


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	256.8	6.4			
FM (30°-60°)	1374.0	34.5			
FH (60°-80°)	1865.2	46.8			G2/5000
FVH (80°-90°)	59.6	1.5			G1/100
BL (0°-30°)	115.9	2.9	B1/500		
BM (30°-60°)	209.6	5.3	B0/220		
BH (60°-80°)	103.2	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: B1-U0-G2
 Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	425.9	425.9	425.9	425.9	425.9	425.9	425.9	425.9	425.9	425.9	425.9
2.5°	476.7	474.6	477.7	476.7	464.5	466.5	465.5	457.4	443.1	435.0	429.9
5°	531.6	536.6	532.6	523.4	516.3	502.1	500.0	486.8	464.5	450.2	435.0
7.5°	588.5	588.5	580.3	566.1	550.9	535.6	533.6	511.2	491.9	467.5	446.2
10°	631.2	626.1	620.0	604.7	587.5	567.1	557.0	540.7	519.4	489.9	462.4
12.5°	668.8	660.6	650.5	628.1	607.8	585.4	587.5	561.0	546.8	520.4	479.7
15°	690.1	683.0	673.8	653.5	622.0	611.8	607.8	591.5	566.1	539.7	501.1
17.5°	695.2	690.1	677.9	651.5	634.2	622.0	621.0	601.7	590.5	568.1	525.5
20°	685.0	675.9	666.7	649.5	633.2	629.1	626.1	626.1	611.8	582.4	540.7
22.5°	667.7	657.6	652.5	642.3	629.1	628.1	630.1	628.1	616.9	597.6	557.0
25°	654.5	649.5	641.3	638.3	630.1	645.4	642.3	639.3	636.2	613.9	582.4
27.5°	658.6	657.6	651.5	639.3	633.2	649.5	658.6	659.6	658.6	636.2	605.8
30°	660.6	655.6	649.5	646.4	648.4	664.7	664.7	687.1	677.9	655.6	629.1
32.5°	684.0	681.0	660.6	653.5	654.5	673.8	674.9	697.2	694.2	678.9	649.5
35°	733.8	713.5	684.0	663.7	663.7	689.1	681.0	713.5	721.6	697.2	663.7
37.5°	808.0	792.8	739.9	694.2	676.9	695.2	703.3	721.6	746.0	724.7	692.1
40°	955.4	952.3	877.1	778.5	710.4	726.7	729.7	758.2	774.5	745.0	735.8
42.5°	1170.8	1155.6	1085.5	930.0	771.4	764.3	775.5	793.8	832.4	808.0	785.6
45°	1381.2	1374.1	1304.0	1130.2	882.2	839.5	833.4	865.9	922.9	896.4	879.2
47.5°	1533.7	1519.5	1479.8	1333.5	1044.8	927.9	932.0	964.5	1036.7	1016.4	1021.4
50°	1650.6	1643.5	1601.8	1521.5	1250.1	1067.2	1059.0	1091.6	1189.1	1202.4	1216.6
52.5°	1778.6	1791.8	1735.9	1667.8	1493.0	1254.2	1235.9	1247.1	1373.1	1403.6	1443.2
55°	1901.6	1923.0	1867.1	1857.9	1747.1	1461.5	1458.5	1432.1	1594.7	1598.7	1620.1
57.5°	1981.9	1974.8	1970.7	2020.5	2001.2	1699.4	1684.1	1657.7	1805.1	1778.6	1842.7
60°	1988.0	2008.3	2076.4	2199.4	2234.0	1978.9	1956.5	1884.3	1987.0	1924.0	2045.9
62.5°	2033.7	2050.0	2176.0	2345.8	2390.5	2224.8	2240.1	2057.1	2142.5	2092.7	2271.6
65°	1917.9	1968.7	2221.8	2459.6	2595.8	2473.8	2458.6	2279.7	2302.1	2255.3	2494.1
67.5°	1813.2	1832.5	2096.8	2494.1	2758.4	2723.8	2717.7	2476.9	2466.7	2380.3	2557.2
70°	1473.7	1497.1	1758.3	2317.3	2813.3	3015.5	3001.3	2753.3	2578.5	2312.2	2234.0
72.5°	844.6	891.3	1218.6	1784.7	2527.7	3096.8	3110.1	2798.0	2446.4	1944.3	1492.0
75°	276.4	289.7	506.1	1011.3	1890.4	2701.5	2678.1	2404.7	1973.8	1283.7	673.8
77.5°	93.5	95.5	149.4	365.9	1047.9	1825.4	1838.6	1718.7	1212.5	533.6	186.0
80°	47.8	50.8	73.2	137.2	430.9	994.0	1015.3	979.8	508.2	157.5	44.7
82.5°	22.4	23.4	42.7	76.2	197.2	390.3	390.3	428.9	179.9	88.4	18.3
85°	8.1	8.1	22.4	43.7	83.3	130.1	131.1	132.1	94.5	66.1	8.1
87.5°	3.0	3.0	11.2	18.3	30.5	39.6	39.6	31.5	47.8	43.7	3.0
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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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	425.9	425.9	425.9	425.9	425.9	425.9	425.9	425.9	425.9	425.9	425.9
2.5°	427.9	421.8	416.7	409.6	400.4	395.4	396.4	390.3	390.3	387.2	386.2
5°	427.9	421.8	408.6	396.4	388.2	378.1	373.0	368.9	368.9	366.9	367.9
7.5°	430.9	421.8	403.5	387.2	374.0	363.9	355.7	354.7	352.7	347.6	351.7
10°	449.2	436.0	405.5	383.2	367.9	356.7	342.5	338.4	332.3	323.2	324.2
12.5°	464.5	447.2	419.8	389.3	370.0	351.7	319.1	283.6	268.3	252.1	253.1
15°	486.8	462.4	424.8	397.4	370.0	311.0	252.1	206.3	181.9	169.7	169.7
17.5°	499.0	478.7	439.1	402.5	340.5	253.1	178.9	139.2	135.2	137.2	137.2
20°	524.4	497.0	455.3	406.5	291.7	179.9	131.1	127.0	129.1	133.1	132.1
22.5°	540.7	513.3	467.5	388.2	225.6	129.1	123.0	120.9	123.0	128.1	128.1
25°	553.9	536.6	486.8	343.5	159.6	116.9	114.8	116.9	118.9	120.9	124.0
27.5°	586.4	557.0	500.0	285.6	114.8	108.8	110.8	111.8	111.8	114.8	115.9
30°	607.8	584.4	510.2	220.6	101.6	100.6	102.7	103.7	104.7	107.7	108.8
32.5°	628.1	620.0	497.0	149.4	95.5	93.5	92.5	93.5	97.6	100.6	99.6
35°	657.6	652.5	477.7	103.7	89.4	85.4	83.3	84.4	87.4	90.5	89.4
37.5°	693.2	698.2	430.9	90.5	83.3	78.3	74.2	74.2	75.2	78.3	79.3
40°	734.8	748.0	376.1	84.4	79.3	73.2	69.1	64.0	63.0	62.0	63.0
42.5°	811.1	826.3	314.1	80.3	73.2	66.1	60.0	53.9	48.8	45.7	45.7
45°	917.8	905.6	232.7	76.2	70.1	60.0	50.8	43.7	36.6	33.5	33.5
47.5°	1065.1	1023.5	159.6	72.2	65.0	52.9	42.7	33.5	27.4	24.4	24.4
50°	1269.4	1132.2	103.7	68.1	62.0	45.7	34.6	24.4	20.3	19.3	20.3
52.5°	1462.5	1243.0	82.3	63.0	55.9	39.6	26.4	20.3	18.3	17.3	17.3
55°	1640.4	1298.9	73.2	57.9	50.8	32.5	22.4	17.3	16.3	15.2	15.2
57.5°	1790.8	1318.2	63.0	50.8	40.7	25.4	18.3	15.2	13.2	12.2	12.2
60°	1920.9	1323.3	48.8	40.7	29.5	19.3	15.2	13.2	11.2	9.1	9.1
62.5°	2024.6	1287.7	34.6	28.5	20.3	15.2	13.2	9.1	6.1	4.1	3.0
65°	2106.9	1216.6	23.4	19.3	13.2	11.2	8.1	4.1	1.0	0.0	0.0
67.5°	2010.4	1055.0	18.3	14.2	9.1	7.1	4.1	1.0	0.0	0.0	0.0
70°	1639.4	818.2	13.2	9.1	6.1	2.0	1.0	0.0	0.0	0.0	0.0
72.5°	1116.0	527.5	10.2	6.1	3.0	1.0	0.0	0.0	0.0	0.0	0.0
75°	501.1	189.0	7.1	4.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	122.0	44.7	5.1	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	32.5	11.2	3.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	12.2	4.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	5.1	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.0	1.0	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)