

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: P676669

Luminaire Tested: **CCW-SA-2B-722-U-T4W-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676669
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2B-722-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) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

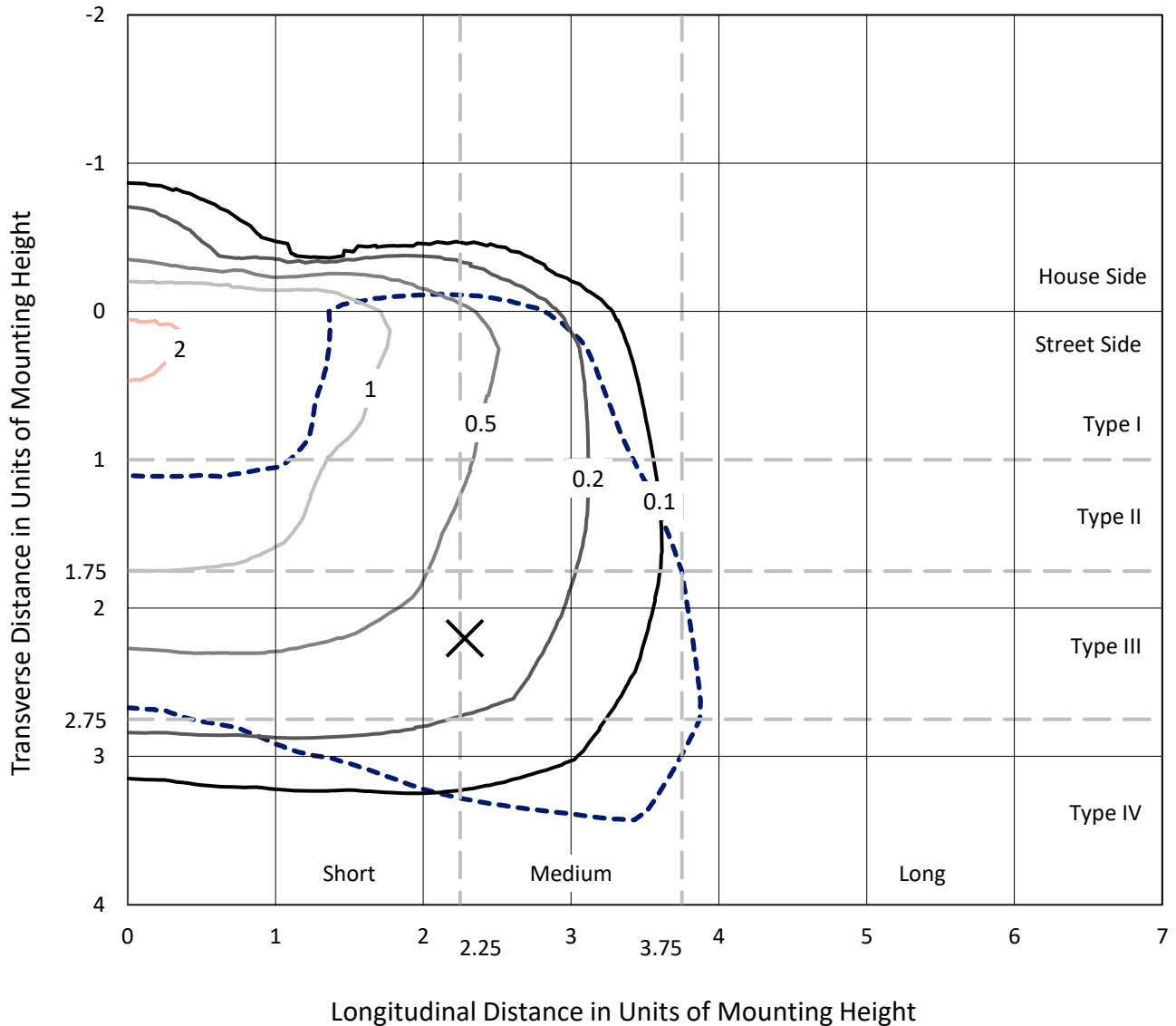
Lumens per Lamp: N/A
Luminaire Lumens: 3670.2 lumens
Efficiency: N/A
Efficacy: 79.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B0 - U0 - G1

Input Watts (W): 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

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Iso-Footcandle Lines of Horizontal Illumination

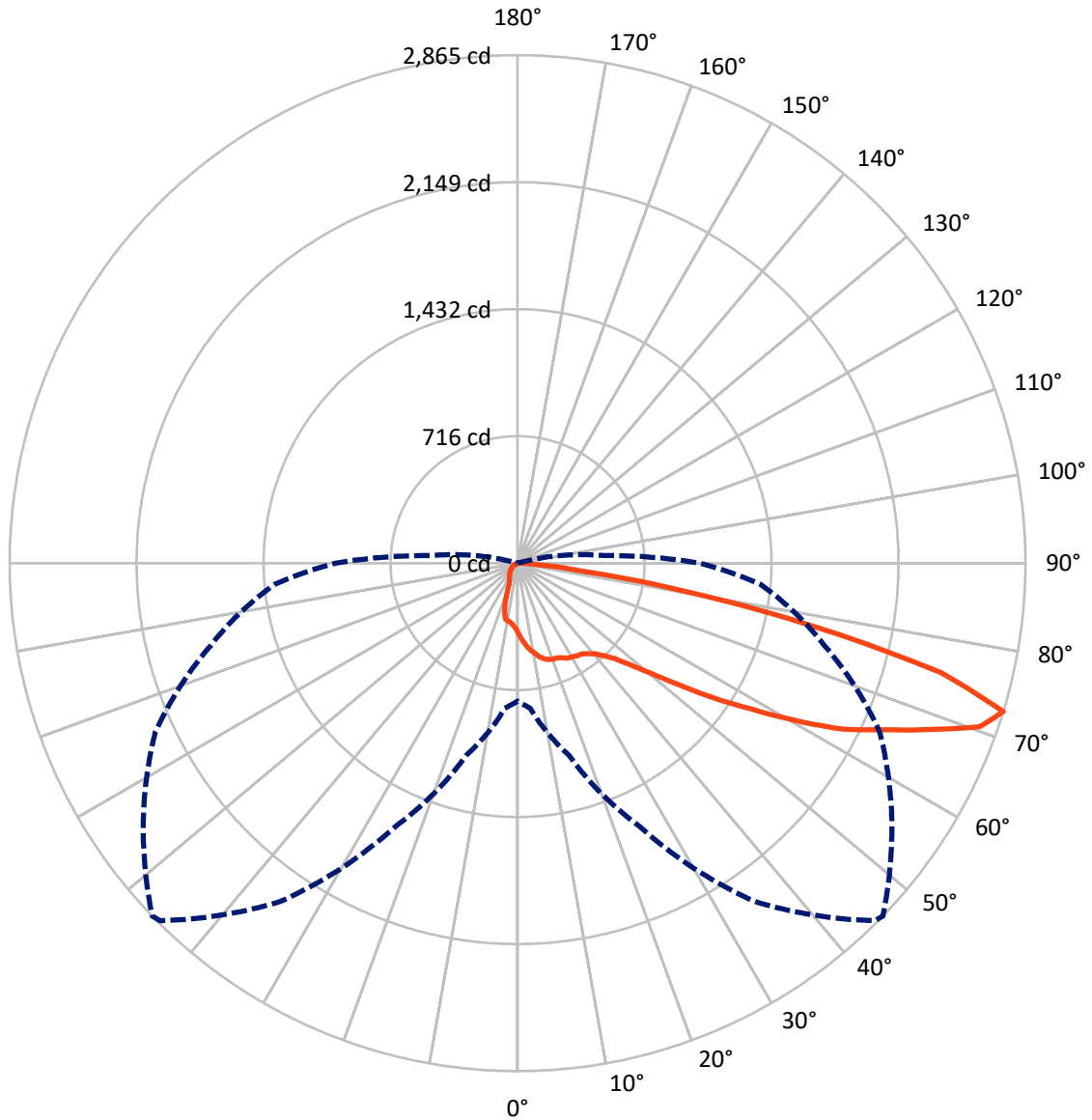
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.5 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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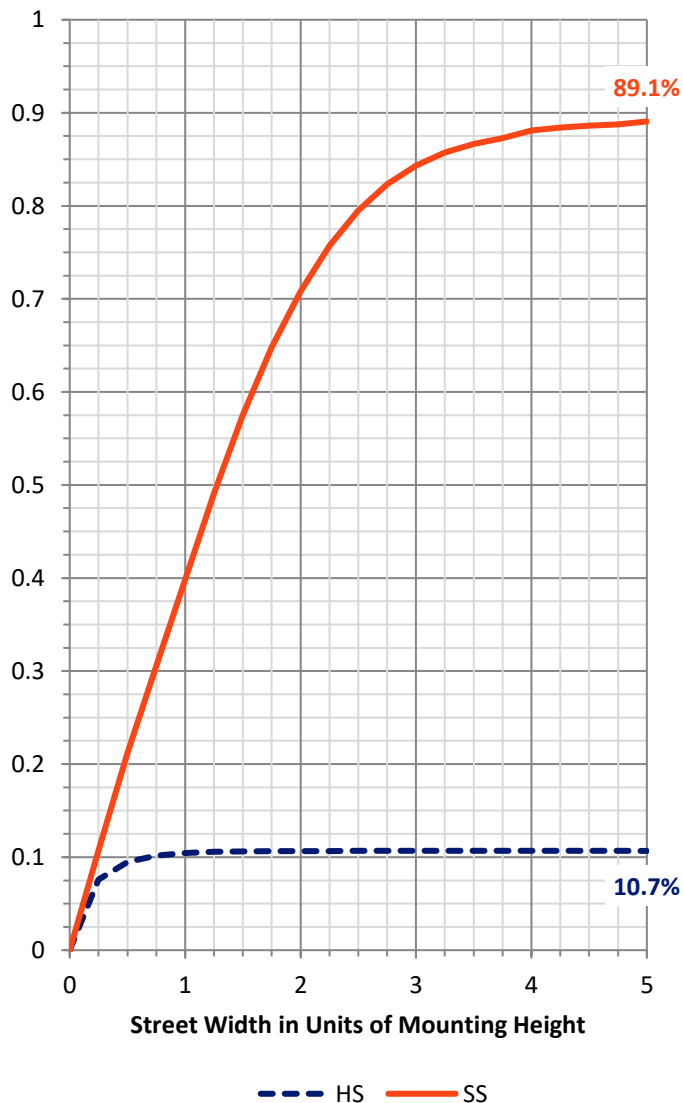
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	395.1	0.0	395.1
	% Fixture	10.8	0.0	10.8
Street Side	Lumens	3275.1	0.0	3275.1
	% Fixture	89.2	0.0	89.2
Total	Lumens	3670.2	0.0	3670.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.3	1.1
10°-20°	118.5	3.2
20°-30°	185.6	5.1
30°-40°	259.9	7.1
40°-50°	428.5	11.7
50°-60°	770.2	21.0
60°-70°	1116.3	30.4
70°-80°	696.7	19.0
80°-90°	55.2	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°	3670.2	100.0
0°-180°	3670.2	100.0

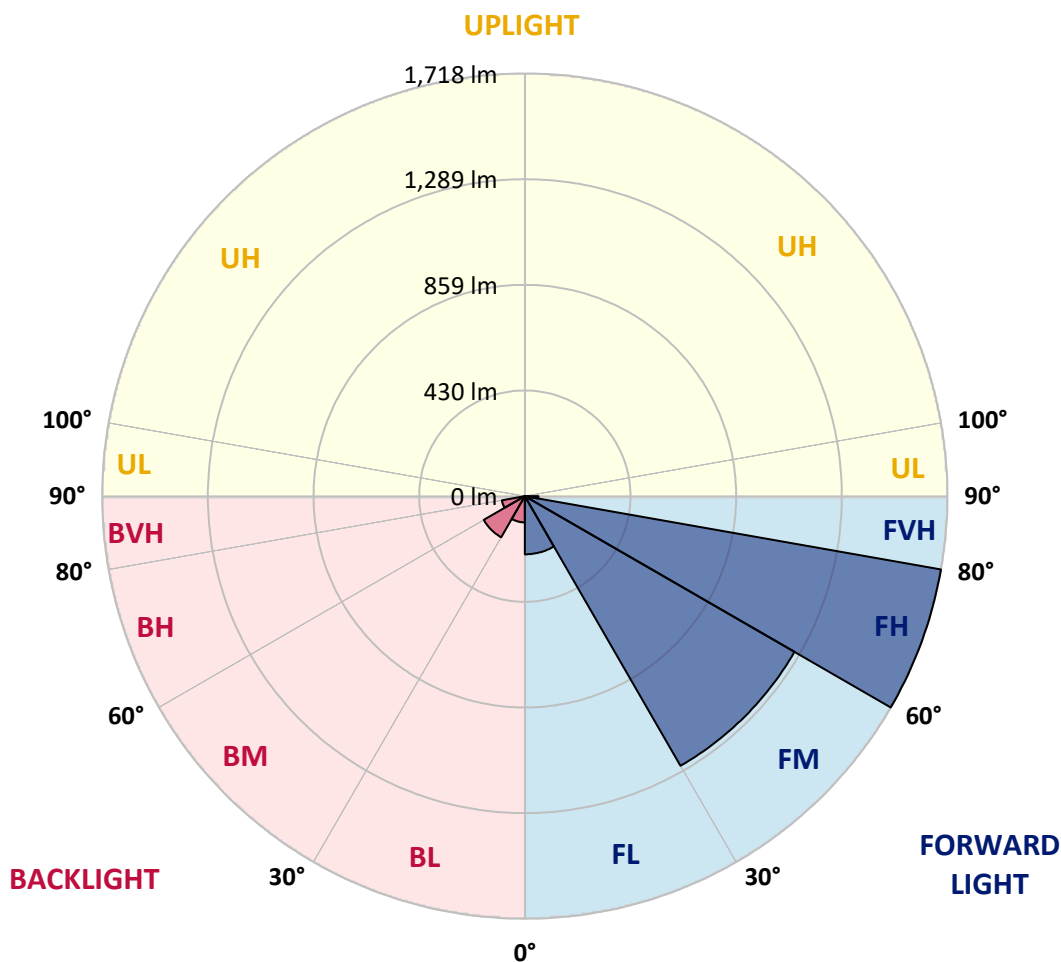


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	236.6	6.4			
FM (30°-60°)	1265.6	34.5			
FH (60°-80°)	1718.0	46.8			G1/1800
FVH (80°-90°)	54.9	1.5			G1/100
BL (0°-30°)	106.8	2.9	B0/110		
BM (30°-60°)	193.0	5.3	B0/220		
BH (60°-80°)	95.0	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	392.3	392.3	392.3	392.3	392.3	392.3	392.3	392.3	392.3	392.3	392.3
2.5°	439.1	437.2	440.0	439.1	427.8	429.7	428.8	421.3	408.2	400.7	396.0
5°	489.6	494.3	490.6	482.1	475.6	462.5	460.6	448.4	427.8	414.7	400.7
7.5°	542.0	542.0	534.6	521.5	507.4	493.4	491.5	470.9	453.1	430.6	411.0
10°	581.4	576.7	571.1	557.0	541.1	522.4	513.0	498.0	478.4	451.2	426.0
12.5°	616.0	608.5	599.2	578.6	559.8	539.2	541.1	516.8	503.7	479.3	441.9
15°	635.7	629.1	620.7	602.0	572.9	563.6	559.8	544.9	521.5	497.1	461.5
17.5°	640.3	635.7	624.4	600.1	584.2	572.9	572.0	554.2	543.9	523.3	484.0
20°	631.0	622.6	614.1	598.2	583.2	579.5	576.7	576.7	563.6	536.4	498.0
22.5°	615.1	605.7	601.0	591.7	579.5	578.6	580.4	578.6	568.3	550.5	513.0
25°	602.9	598.2	590.7	587.9	580.4	594.5	591.7	588.9	586.0	565.5	536.4
27.5°	606.6	605.7	600.1	588.9	583.2	598.2	606.6	607.6	606.6	586.0	558.0
30°	608.5	603.8	598.2	595.4	597.3	612.3	612.3	632.9	624.4	603.8	579.5
32.5°	630.1	627.2	608.5	602.0	602.9	620.7	621.6	642.2	639.4	625.4	598.2
35°	675.9	657.2	630.1	611.3	611.3	634.7	627.2	657.2	664.7	642.2	611.3
37.5°	744.3	730.2	681.5	639.4	623.5	640.3	647.8	664.7	687.2	667.5	637.5
40°	880.0	877.2	807.9	717.1	654.4	669.4	672.2	698.4	713.4	686.2	677.8
42.5°	1078.5	1064.4	999.8	856.6	710.6	704.0	714.3	731.2	766.7	744.3	723.7
45°	1272.3	1265.7	1201.1	1041.0	812.6	773.3	767.7	797.6	850.1	825.7	809.8
47.5°	1412.7	1399.6	1363.1	1228.3	962.4	854.7	858.5	888.4	954.9	936.2	940.9
50°	1520.4	1513.8	1475.4	1401.5	1151.5	983.0	975.5	1005.5	1095.3	1107.5	1120.6
52.5°	1638.3	1650.5	1599.0	1536.3	1375.3	1155.2	1138.4	1148.7	1264.8	1292.9	1329.4
55°	1751.6	1771.3	1719.8	1711.3	1609.3	1346.2	1343.4	1319.1	1468.9	1472.6	1492.3
57.5°	1825.6	1819.0	1815.3	1861.1	1843.3	1565.3	1551.3	1526.9	1662.7	1638.3	1697.3
60°	1831.2	1849.9	1912.6	2025.9	2057.7	1822.7	1802.2	1735.7	1830.2	1772.2	1884.5
62.5°	1873.3	1888.3	2004.4	2160.7	2201.9	2049.3	2063.3	1894.8	1973.5	1927.6	2092.4
65°	1766.6	1813.4	2046.5	2265.6	2391.0	2278.7	2264.6	2099.9	2120.5	2077.4	2297.4
67.5°	1670.1	1687.9	1931.3	2297.4	2540.8	2509.0	2503.4	2281.5	2272.1	2192.5	2355.4
70°	1357.5	1379.0	1619.6	2134.5	2591.4	2777.7	2764.5	2536.1	2375.1	2129.8	2057.7
72.5°	778.0	821.0	1122.5	1643.9	2328.3	2852.5	2864.7	2577.3	2253.4	1790.9	1374.3
75°	254.6	266.8	466.2	931.5	1741.3	2488.4	2466.8	2215.0	1818.1	1182.4	620.7
77.5°	86.1	88.0	137.6	337.0	965.2	1681.4	1693.6	1583.1	1116.9	491.5	171.3
80°	44.0	46.8	67.4	126.4	396.9	915.6	935.2	902.5	468.1	145.1	41.2
82.5°	20.6	21.5	39.3	70.2	181.6	359.5	359.5	395.1	165.7	81.4	16.9
85°	7.5	7.5	20.6	40.3	76.8	119.8	120.8	121.7	87.1	60.9	7.5
87.5°	2.8	2.8	10.3	16.9	28.1	36.5	36.5	29.0	44.0	40.3	2.8
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°	392.3	392.3	392.3	392.3	392.3	392.3	392.3	392.3	392.3	392.3	392.3
2.5°	394.1	388.5	383.8	377.3	368.9	364.2	365.1	359.5	359.5	356.7	355.7
5°	394.1	388.5	376.3	365.1	357.6	348.3	343.6	339.8	339.8	338.0	338.9
7.5°	396.9	388.5	371.7	356.7	344.5	335.2	327.7	326.7	324.9	320.2	323.9
10°	413.8	401.6	373.5	352.9	338.9	328.6	315.5	311.7	306.1	297.7	298.6
12.5°	427.8	411.9	386.6	358.6	340.8	323.9	294.0	261.2	247.2	232.2	233.1
15°	448.4	426.0	391.3	366.0	340.8	286.5	232.2	190.0	167.6	156.3	156.3
17.5°	459.7	440.9	404.4	370.7	313.6	233.1	164.8	128.3	124.5	126.4	126.4
20°	483.1	457.8	419.4	374.5	268.7	165.7	120.8	117.0	118.9	122.6	121.7
22.5°	498.0	472.8	430.6	357.6	207.8	118.9	113.3	111.4	113.3	118.0	118.0
25°	510.2	494.3	448.4	316.4	147.0	107.7	105.8	107.7	109.5	111.4	114.2
27.5°	540.2	513.0	460.6	263.1	105.8	100.2	102.0	103.0	103.0	105.8	106.7
30°	559.8	538.3	470.0	203.2	93.6	92.7	94.6	95.5	96.4	99.2	100.2
32.5°	578.6	571.1	457.8	137.6	88.0	86.1	85.2	86.1	89.9	92.7	91.7
35°	605.7	601.0	440.0	95.5	82.4	78.6	76.8	77.7	80.5	83.3	82.4
37.5°	638.5	643.2	396.9	83.3	76.8	72.1	68.3	68.3	69.3	72.1	73.0
40°	676.9	689.0	346.4	77.7	73.0	67.4	63.7	59.0	58.0	57.1	58.0
42.5°	747.1	761.1	289.3	74.0	67.4	60.9	55.2	49.6	44.9	42.1	42.1
45°	845.4	834.1	214.4	70.2	64.6	55.2	46.8	40.3	33.7	30.9	30.9
47.5°	981.1	942.7	147.0	66.5	59.9	48.7	39.3	30.9	25.3	22.5	22.5
50°	1169.3	1042.9	95.5	62.7	57.1	42.1	31.8	22.5	18.7	17.8	18.7
52.5°	1347.2	1145.0	75.8	58.0	51.5	36.5	24.3	18.7	16.9	15.9	15.9
55°	1511.0	1196.4	67.4	53.4	46.8	30.0	20.6	15.9	15.0	14.0	14.0
57.5°	1649.6	1214.2	58.0	46.8	37.4	23.4	16.9	14.0	12.2	11.2	11.2
60°	1769.4	1218.9	44.9	37.4	27.1	17.8	14.0	12.2	10.3	8.4	8.4
62.5°	1864.9	1186.1	31.8	26.2	18.7	14.0	12.2	8.4	5.6	3.7	2.8
65°	1940.7	1120.6	21.5	17.8	12.2	10.3	7.5	3.7	0.9	0.0	0.0
67.5°	1851.8	971.8	16.9	13.1	8.4	6.6	3.7	0.9	0.0	0.0	0.0
70°	1510.1	753.6	12.2	8.4	5.6	1.9	0.9	0.0	0.0	0.0	0.0
72.5°	1027.9	485.9	9.4	5.6	2.8	0.9	0.0	0.0	0.0	0.0	0.0
75°	461.5	174.1	6.6	3.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	112.3	41.2	4.7	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	30.0	10.3	2.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	11.2	3.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	4.7	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.9	0.9	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)