

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: P676730

Luminaire Tested: **CCW-SA-1C-760-U-T4W-HSS**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P676730  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-1C-760-U-T4W-HSS  
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @615mA w/  
T4W distribution lens and House Side Shield  
Light Source: (16) 5700K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

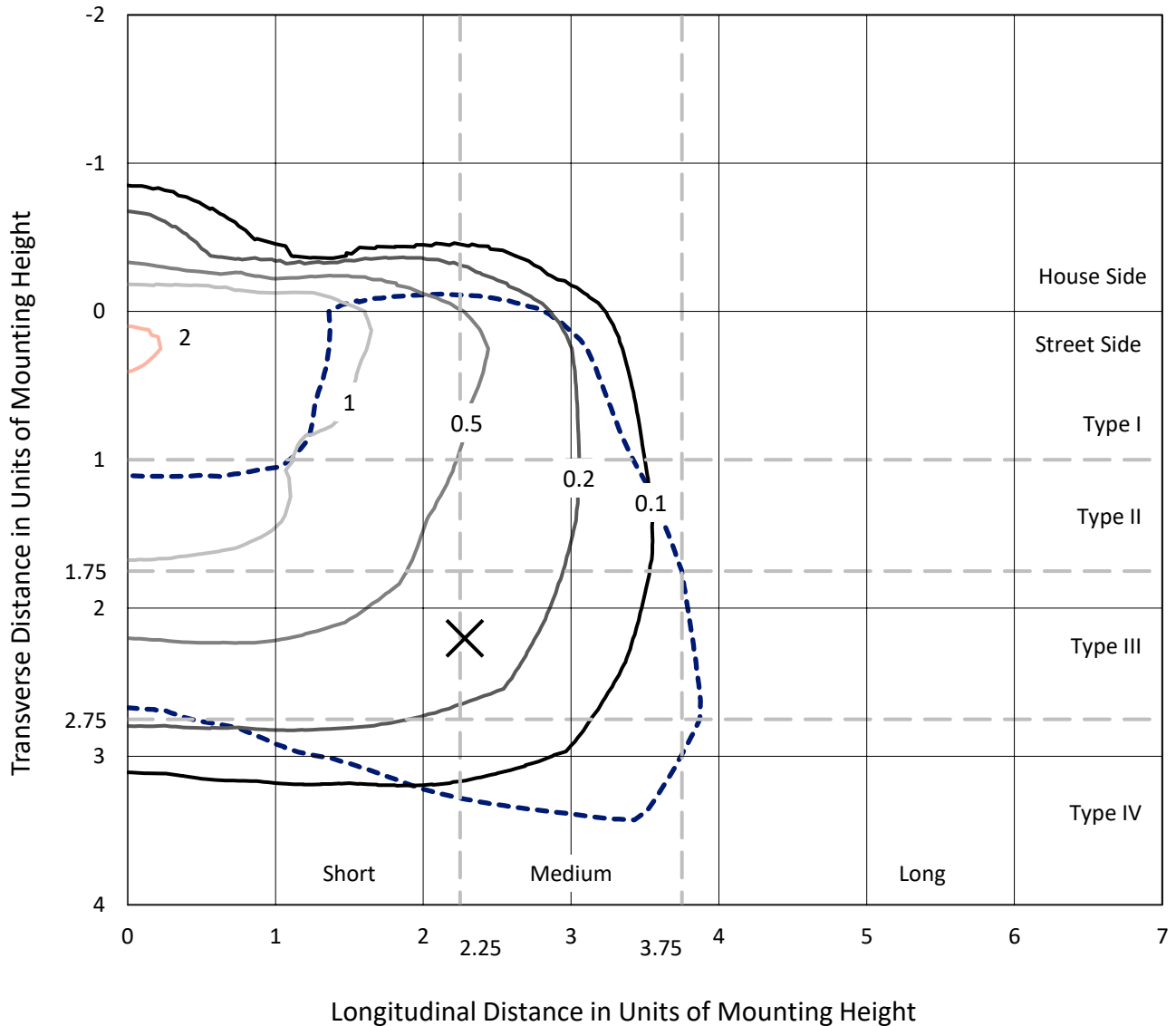
Lumens per Lamp: N/A  
Luminaire Lumens: 3336.7 lumens  
Efficiency: N/A  
Efficacy: 104.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B0 - U0 - G1

Input Watts (W): 32  
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

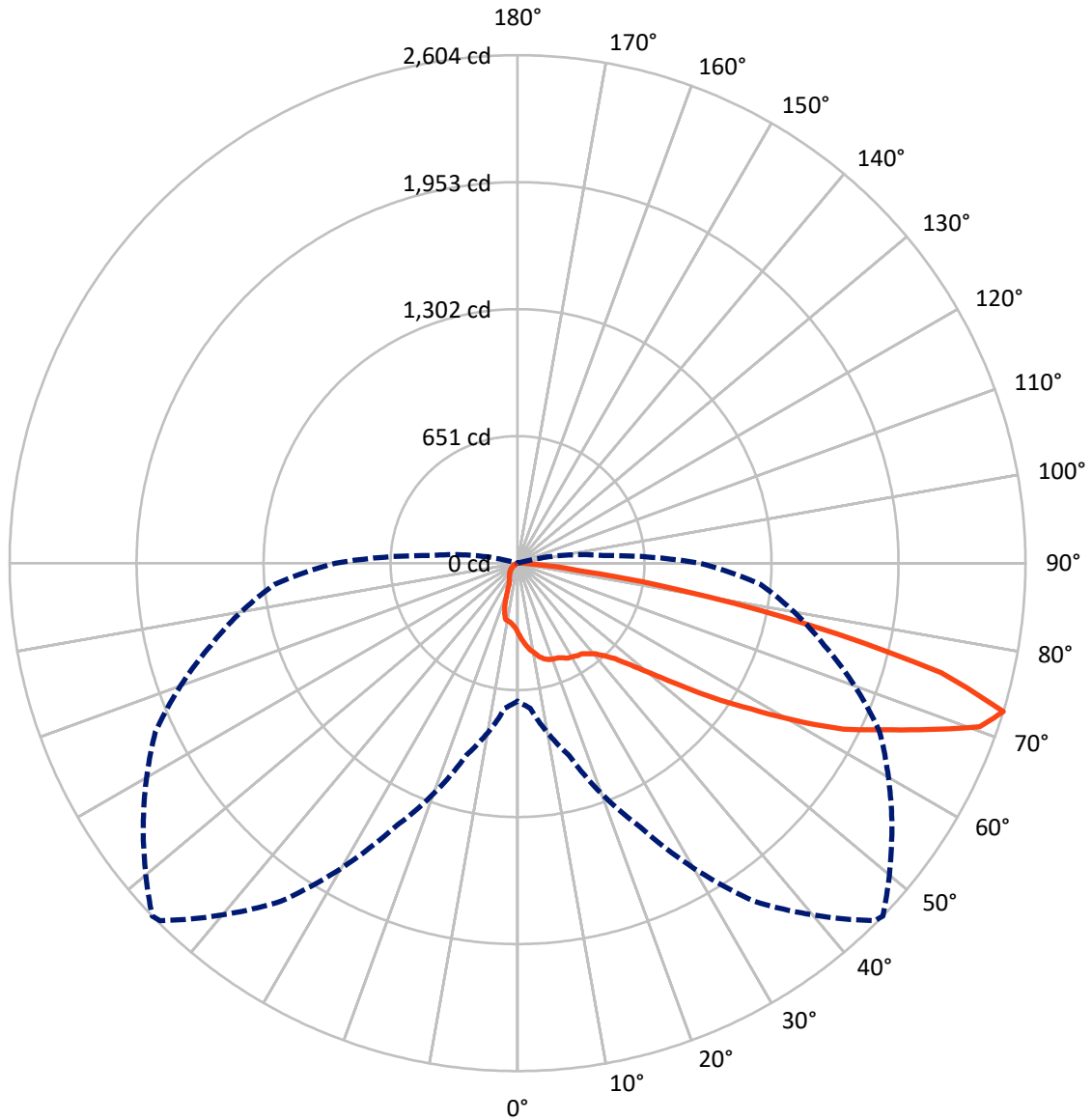
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.3 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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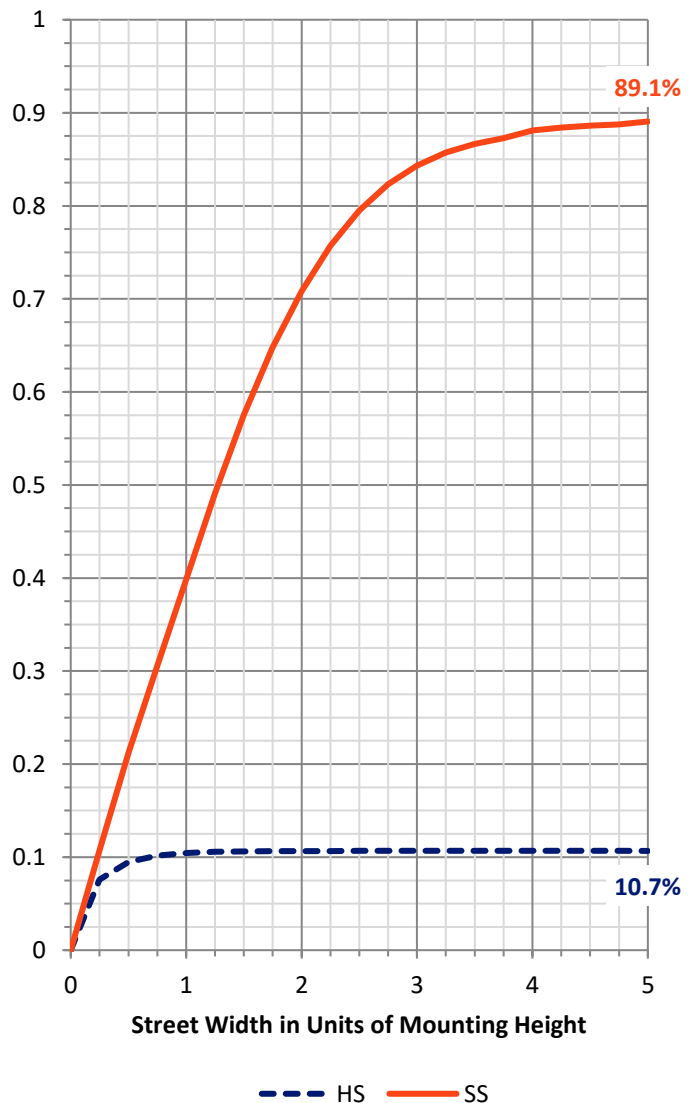
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	359.2	0.0	359.2
	% Fixture	10.8	0.0	10.8
<b>Street Side</b>	Lumens	2977.5	0.0	2977.5
	% Fixture	89.2	0.0	89.2
<b>Total</b>	Lumens	3336.7	0.0	3336.7
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	35.7	1.1
10°-20°	107.8	3.2
20°-30°	168.7	5.1
30°-40°	236.2	7.1
40°-50°	389.6	11.7
50°-60°	700.2	21.0
60°-70°	1014.9	30.4
70°-80°	633.4	19.0
80°-90°	50.2	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°	3336.7	100.0
0°-180°	3336.7	100.0

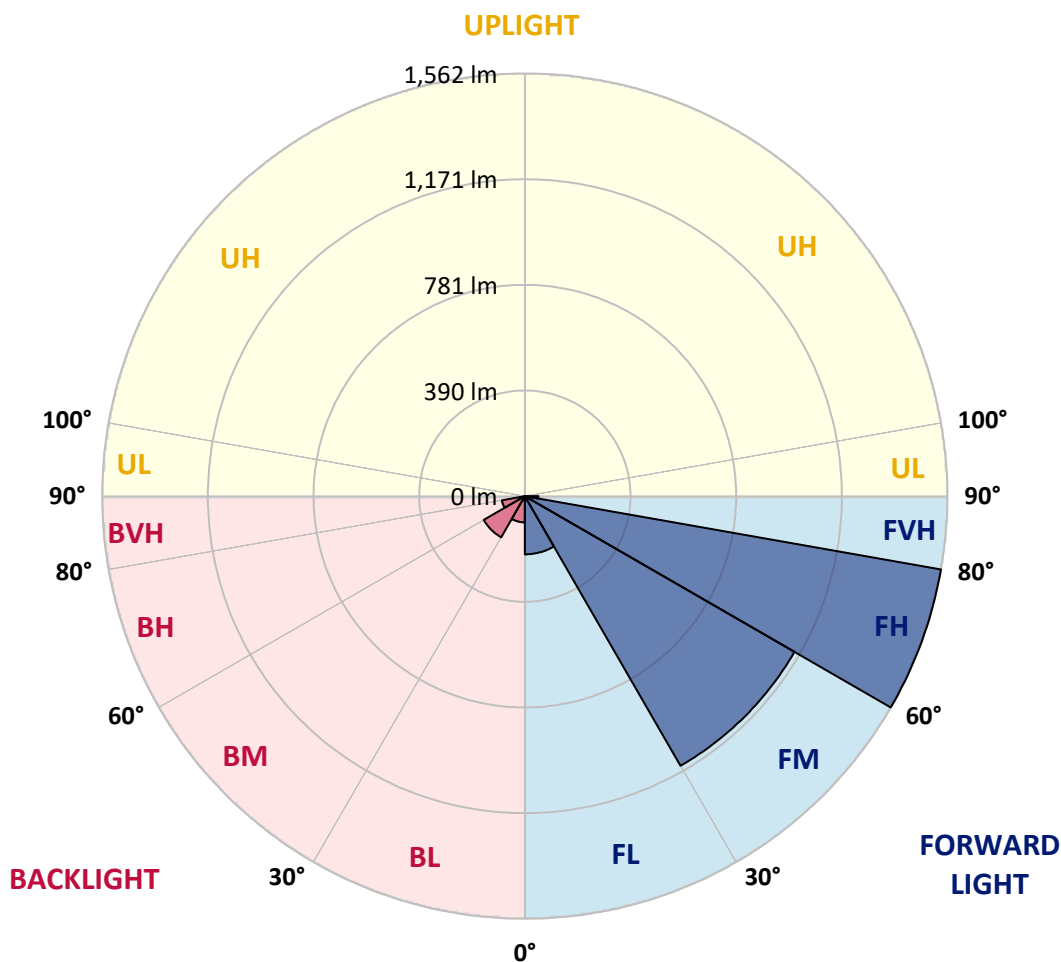


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	215.1	6.4			
FM (30°-60°)	1150.6	34.5			
FH (60°-80°)	1561.9	46.8			G1/1800
FVH (80°-90°)	49.9	1.5			G1/100
BL (0°-30°)	97.1	2.9	B0/110		
BM (30°-60°)	175.5	5.3	B0/220		
BH (60°-80°)	86.4	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°	356.6	356.6	356.6	356.6	356.6	356.6	356.6	356.6	356.6	356.6	356.6
2.5°	399.2	397.5	400.0	399.2	389.0	390.7	389.8	383.0	371.1	364.3	360.0
5°	445.1	449.4	446.0	438.3	432.4	420.4	418.7	407.7	389.0	377.0	364.3
7.5°	492.8	492.8	486.0	474.1	461.3	448.5	446.8	428.1	411.9	391.5	373.6
10°	528.5	524.3	519.2	506.4	491.9	474.9	466.4	452.8	434.9	410.2	387.3
12.5°	560.0	553.2	544.7	526.0	509.0	490.2	491.9	469.8	457.9	435.8	401.7
15°	577.9	571.9	564.3	547.3	520.9	512.4	509.0	495.3	474.1	451.9	419.6
17.5°	582.2	577.9	567.7	545.6	531.1	520.9	520.0	503.9	494.5	475.8	440.0
20°	573.6	566.0	558.3	543.9	530.2	526.8	524.3	524.3	512.4	487.7	452.8
22.5°	559.2	550.7	546.4	537.9	526.8	526.0	527.7	526.0	516.6	500.4	466.4
25°	548.1	543.9	537.0	534.5	527.7	540.5	537.9	535.3	532.8	514.1	487.7
27.5°	551.5	550.7	545.6	535.3	530.2	543.9	551.5	552.4	551.5	532.8	507.3
30°	553.2	549.0	543.9	541.3	543.0	556.6	556.6	575.3	567.7	549.0	526.8
32.5°	572.8	570.2	553.2	547.3	548.1	564.3	565.1	583.9	581.3	568.5	543.9
35°	614.5	597.5	572.8	555.8	555.8	577.0	570.2	597.5	604.3	583.9	555.8
37.5°	676.6	663.9	619.6	581.3	566.8	582.2	589.0	604.3	624.7	606.8	579.6
40°	800.0	797.5	734.5	651.9	594.9	608.5	611.1	634.9	648.5	623.9	616.2
42.5°	980.5	967.7	909.0	778.8	646.0	640.0	649.4	664.7	697.1	676.6	657.9
45°	1156.6	1150.7	1092.0	946.4	738.8	703.0	697.9	725.1	772.8	750.7	736.2
47.5°	1284.3	1272.4	1239.2	1116.6	874.9	777.1	780.5	807.7	868.1	851.1	855.4
50°	1382.2	1376.2	1341.3	1274.1	1046.9	893.7	886.8	914.1	995.8	1006.9	1018.8
52.5°	1489.4	1500.5	1453.7	1396.7	1250.3	1050.3	1034.9	1044.3	1149.8	1175.4	1208.6
55°	1592.4	1610.3	1563.5	1555.8	1463.0	1223.9	1221.3	1199.2	1335.4	1338.8	1356.7
57.5°	1659.7	1653.7	1650.3	1692.0	1675.8	1423.0	1410.3	1388.1	1511.6	1489.4	1543.0
60°	1664.8	1681.8	1738.8	1841.8	1870.7	1657.1	1638.4	1577.9	1663.9	1611.1	1713.3
62.5°	1703.1	1716.7	1822.2	1964.3	2001.8	1863.1	1875.8	1722.6	1794.1	1752.4	1902.2
65°	1606.0	1648.6	1860.5	2059.7	2173.7	2071.6	2058.8	1909.0	1927.7	1888.6	2088.6
67.5°	1518.4	1534.5	1755.8	2088.6	2309.9	2281.0	2275.8	2074.1	2065.6	1993.3	2141.4
70°	1234.1	1253.7	1472.4	1940.5	2355.9	2525.2	2513.3	2305.6	2159.2	1936.3	1870.7
72.5°	707.3	746.4	1020.5	1494.5	2116.7	2593.3	2604.4	2343.1	2048.6	1628.2	1249.4
75°	231.5	242.6	423.8	846.8	1583.1	2262.2	2242.7	2013.7	1652.8	1074.9	564.3
77.5°	78.3	80.0	125.1	306.4	877.5	1528.6	1539.6	1439.2	1015.4	446.8	155.8
80°	40.0	42.6	61.3	114.9	360.9	832.4	850.3	820.5	425.6	131.9	37.4
82.5°	18.7	19.6	35.7	63.8	165.1	326.8	326.8	359.2	150.6	74.0	15.3
85°	6.8	6.8	18.7	36.6	69.8	108.9	109.8	110.6	79.2	55.3	6.8
87.5°	2.6	2.6	9.4	15.3	25.5	33.2	33.2	26.4	40.0	36.6	2.6
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°	356.6	356.6	356.6	356.6	356.6	356.6	356.6	356.6	356.6	356.6	356.6
2.5°	358.3	353.2	349.0	343.0	335.3	331.1	331.9	326.8	326.8	324.3	323.4
5°	358.3	353.2	342.1	331.9	325.1	316.6	312.4	309.0	309.0	307.2	308.1
7.5°	360.9	353.2	337.9	324.3	313.2	304.7	297.9	297.0	295.3	291.1	294.5
10°	376.2	365.1	339.6	320.9	308.1	298.7	286.8	283.4	278.3	270.7	271.5
12.5°	389.0	374.5	351.5	326.0	309.8	294.5	267.2	237.5	224.7	211.1	211.9
15°	407.7	387.3	355.8	332.8	309.8	260.4	211.1	172.8	152.3	142.1	142.1
17.5°	417.9	400.9	367.7	337.0	285.1	211.9	149.8	116.6	113.2	114.9	114.9
20°	439.2	416.2	381.3	340.4	244.3	150.6	109.8	106.4	108.1	111.5	110.6
22.5°	452.8	429.8	391.5	325.1	188.9	108.1	103.0	101.3	103.0	107.2	107.2
25°	463.9	449.4	407.7	287.7	133.6	97.9	96.2	97.9	99.6	101.3	103.8
27.5°	491.1	466.4	418.7	239.2	96.2	91.1	92.8	93.6	93.6	96.2	97.0
30°	509.0	489.4	427.3	184.7	85.1	84.3	86.0	86.8	87.7	90.2	91.1
32.5°	526.0	519.2	416.2	125.1	80.0	78.3	77.5	78.3	81.7	84.3	83.4
35°	550.7	546.4	400.0	86.8	74.9	71.5	69.8	70.6	73.2	75.7	74.9
37.5°	580.5	584.7	360.9	75.7	69.8	65.5	62.1	62.1	63.0	65.5	66.4
40°	615.3	626.4	314.9	70.6	66.4	61.3	57.9	53.6	52.8	51.9	52.8
42.5°	679.2	691.9	263.0	67.2	61.3	55.3	50.2	45.1	40.9	38.3	38.3
45°	768.5	758.3	194.9	63.8	58.7	50.2	42.6	36.6	30.6	28.1	28.1
47.5°	892.0	857.1	133.6	60.4	54.5	44.3	35.7	28.1	23.0	20.4	20.4
50°	1063.0	948.1	86.8	57.0	51.9	38.3	28.9	20.4	17.0	16.2	17.0
52.5°	1224.7	1040.9	68.9	52.8	46.8	33.2	22.1	17.0	15.3	14.5	14.5
55°	1373.7	1087.7	61.3	48.5	42.6	27.2	18.7	14.5	13.6	12.8	12.8
57.5°	1499.6	1103.9	52.8	42.6	34.0	21.3	15.3	12.8	11.1	10.2	10.2
60°	1608.6	1108.1	40.9	34.0	24.7	16.2	12.8	11.1	9.4	7.7	7.7
62.5°	1695.4	1078.3	28.9	23.8	17.0	12.8	11.1	7.7	5.1	3.4	2.6
65°	1764.3	1018.8	19.6	16.2	11.1	9.4	6.8	3.4	0.9	0.0	0.0
67.5°	1683.5	883.4	15.3	11.9	7.7	6.0	3.4	0.9	0.0	0.0	0.0
70°	1372.8	685.1	11.1	7.7	5.1	1.7	0.9	0.0	0.0	0.0	0.0
72.5°	934.5	441.7	8.5	5.1	2.6	0.9	0.0	0.0	0.0	0.0	0.0
75°	419.6	158.3	6.0	3.4	0.9	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	102.1	37.4	4.3	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	27.2	9.4	2.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	10.2	3.4	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	4.3	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.7	0.9	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)