

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: P676526

Luminaire Tested: **CCW-SA-2C-722-U-T4FT-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676526
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2C-722-U-T4FT-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @615mA w/
T4FT distribution lens and House Side Shield
Light Source: (32) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

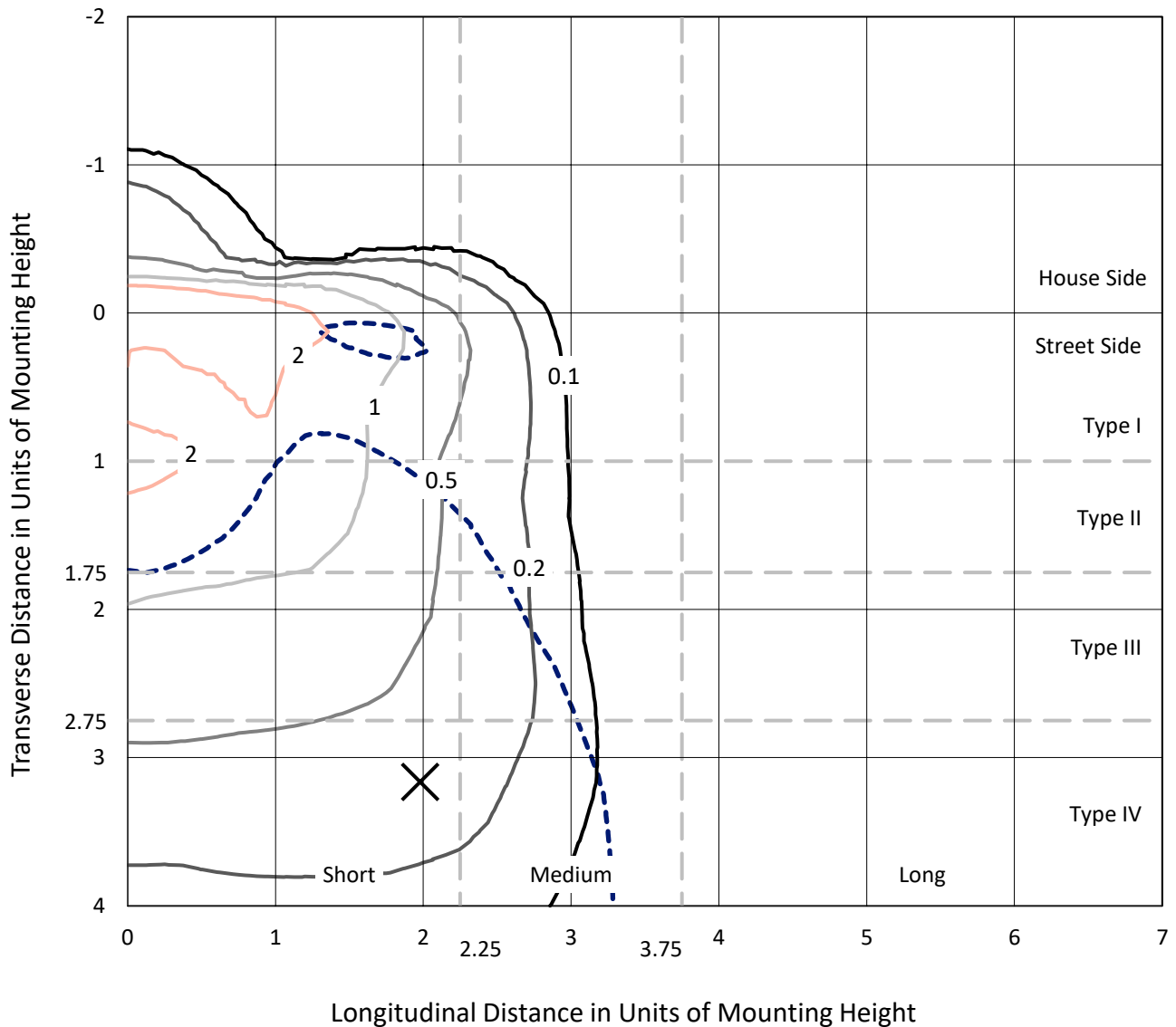
Lumens per Lamp: N/A
Luminaire Lumens: 4782.2 lumens
Efficiency: N/A
Efficacy: 77.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 62.1
Input Voltage (V): 120
Input Current (A_{in}): 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

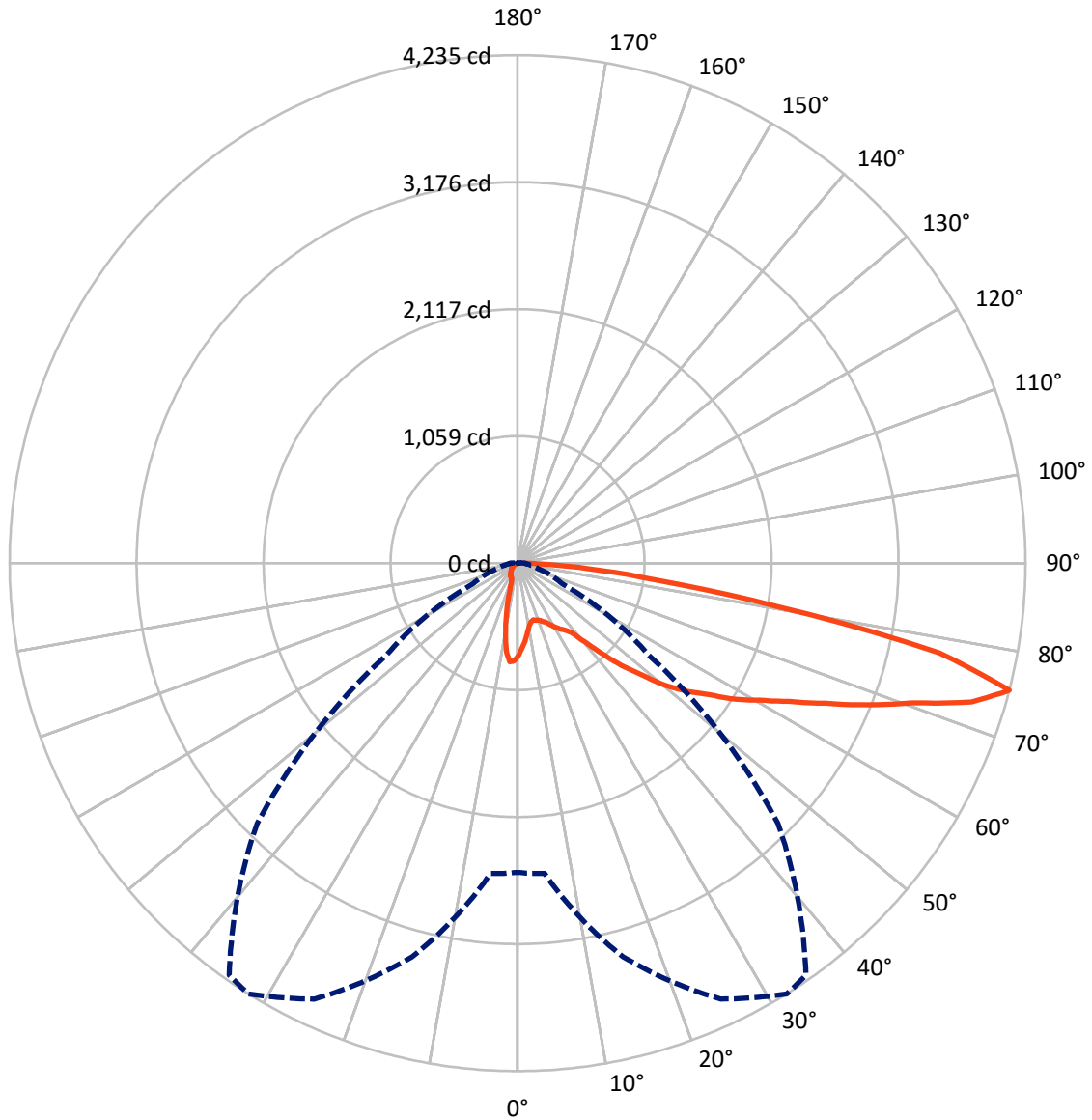
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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

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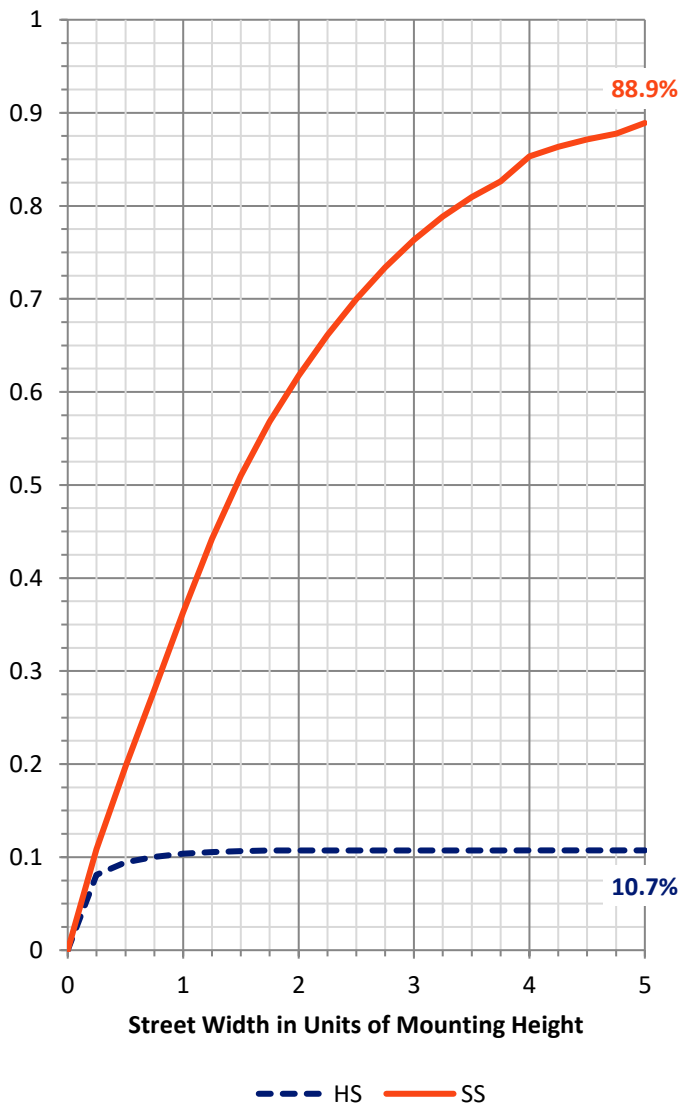
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	516.6	0.0	516.6
	% Fixture	10.8	0.0	10.8
Street Side	Lumens	4265.6	0.0	4265.6
	% Fixture	89.2	0.0	89.2
Total	Lumens	4782.2	0.0	4782.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.9	1.4
10°-20°	154.1	3.2
20°-30°	230.7	4.8
30°-40°	354.1	7.4
40°-50°	619.2	12.9
50°-60°	967.9	20.2
60°-70°	1251.3	26.2
70°-80°	1019.2	21.3
80°-90°	118.0	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°	4782.2	100.0
0°-180°	4782.2	100.0



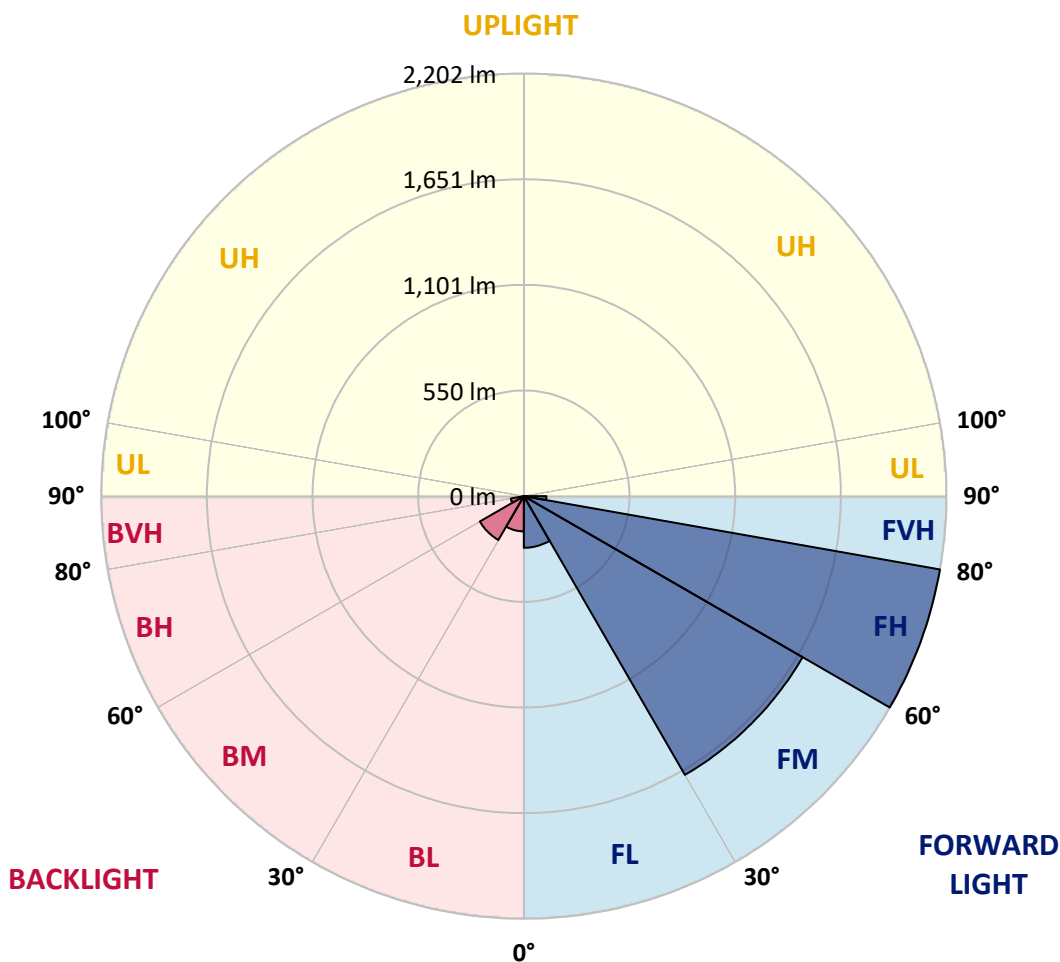
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	269.1	5.6			
FM (30°-60°)	1676.8	35.1			
FH (60°-80°)	2201.8	46.0			G2/5000
FVH (80°-90°)	117.9	2.5			G2/225
BL (0°-30°)	183.5	3.8	B1/500		
BM (30°-60°)	264.3	5.5	B1/1000		
BH (60°-80°)	68.7	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	32°	35°	45°	55°	65°	75°	85°
0°	772.2	772.2	772.2	772.2	772.2	772.2	772.2	772.2	772.2	772.2	772.2
2.5°	692.5	702.3	701.1	707.2	708.4	712.1	720.7	720.7	745.2	762.4	773.4
5°	630.0	623.9	626.3	633.7	652.1	650.8	671.7	682.7	712.1	736.6	762.4
7.5°	552.8	551.6	556.5	573.6	587.1	598.1	620.2	648.4	687.6	724.4	769.7
10°	503.8	501.3	511.1	516.0	531.9	539.3	573.6	617.7	664.3	717.0	769.7
12.5°	492.7	484.1	489.0	487.8	502.5	506.2	539.3	593.2	649.6	714.6	779.5
15°	498.8	492.7	487.8	487.8	491.5	493.9	529.5	577.3	641.0	718.2	801.6
17.5°	518.5	514.8	500.1	485.4	501.3	501.3	523.4	573.6	642.3	729.3	828.6
20°	541.7	538.1	512.3	495.2	506.2	518.5	541.7	582.2	645.9	737.9	870.2
22.5°	567.5	567.5	531.9	512.3	527.0	528.3	569.9	609.2	660.6	759.9	897.2
25°	599.4	596.9	562.6	540.5	545.4	558.9	596.9	638.6	687.6	790.6	947.4
27.5°	641.0	637.4	596.9	574.8	581.0	595.7	638.6	680.2	712.1	802.8	990.3
30°	675.3	671.7	638.6	605.5	619.0	632.4	682.7	719.5	742.8	826.1	1039.4
32.5°	682.7	676.6	654.5	639.8	654.5	680.2	719.5	757.5	793.0	884.9	1132.5
35°	767.3	745.2	687.6	664.3	686.4	695.0	759.9	827.3	861.6	931.5	1236.7
37.5°	929.1	908.2	832.2	767.3	736.6	746.4	831.0	914.4	947.4	1018.5	1350.7
40°	1127.6	1093.3	1012.4	925.4	862.9	850.6	905.8	1028.3	1060.2	1127.6	1500.2
42.5°	1354.4	1321.3	1196.3	1093.3	1029.6	1013.6	1022.2	1160.7	1187.7	1228.1	1598.3
45°	1517.4	1500.2	1359.3	1267.3	1217.1	1199.9	1179.1	1305.3	1339.7	1353.1	1740.5
47.5°	1611.8	1599.5	1521.1	1458.6	1391.1	1372.8	1386.2	1506.4	1483.1	1494.1	1876.5
50°	1738.0	1706.1	1599.5	1619.1	1605.6	1600.7	1624.0	1676.7	1642.4	1610.5	2024.8
52.5°	1839.7	1783.4	1708.6	1756.4	1777.2	1795.6	1877.7	1917.0	1763.7	1714.7	2120.4
55°	1902.2	1848.3	1867.9	1912.1	1934.1	2018.7	2115.5	2086.1	1843.4	1798.1	2247.9
57.5°	1958.6	1962.3	2015.0	2028.5	2141.3	2156.0	2342.3	2246.7	1899.8	1874.1	2298.1
60°	2094.7	2081.2	2124.1	2211.1	2319.0	2401.1	2578.8	2354.5	1928.0	1913.3	2284.7
62.5°	2339.8	2256.5	2271.2	2381.5	2539.6	2629.1	2714.9	2403.5	1920.6	1919.4	2244.2
65°	2651.1	2555.5	2511.4	2614.4	2819.1	2945.3	2868.1	2458.7	1871.6	1905.9	2093.5
67.5°	2909.8	2911.0	2828.9	2886.5	3153.7	3180.6	3012.7	2447.7	1789.5	1799.3	1725.7
70°	3207.6	3248.0	3175.7	3355.9	3489.5	3506.7	3178.2	2357.0	1613.0	1356.8	991.6
72.5°	3283.6	3304.4	3529.9	3806.9	3957.7	3962.6	3341.2	2054.2	1061.4	599.4	307.6
75°	2578.8	2598.4	3397.6	4010.4	4234.7	4191.8	3069.1	1333.5	413.1	175.3	73.5
77.5°	1438.9	1445.1	2109.4	3241.9	3592.5	3419.6	2149.8	519.7	166.7	100.5	34.3
80°	393.4	462.1	782.0	1598.3	2194.0	2153.5	1023.4	169.1	107.9	78.4	15.9
82.5°	94.4	101.7	251.3	707.2	1159.5	1209.7	305.2	85.8	74.8	65.0	8.6
85°	34.3	38.0	77.2	344.4	595.7	546.7	91.9	42.9	55.2	50.3	3.7
87.5°	12.3	12.3	24.5	112.8	174.0	131.1	30.6	14.7	28.2	30.6	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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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	772.2	772.2	772.2	772.2	772.2	772.2	772.2	772.2	772.2	772.2	772.2
2.5°	774.6	774.6	791.8	806.5	811.4	817.5	811.4	824.9	823.7	817.5	820.0
5°	775.9	797.9	812.6	822.4	827.3	826.1	828.6	813.8	805.3	799.1	793.0
7.5°	782.0	802.8	829.8	827.3	813.8	785.7	763.6	724.4	686.4	685.2	679.0
10°	802.8	821.2	837.1	827.3	778.3	692.5	622.6	569.9	522.1	500.1	502.5
12.5°	817.5	851.8	844.5	794.2	692.5	579.7	476.8	399.6	356.7	316.2	316.2
15°	848.2	860.4	858.0	746.4	587.1	452.3	327.3	248.8	203.5	185.1	182.6
17.5°	877.6	891.1	849.4	674.1	482.9	304.0	198.6	154.4	148.3	145.9	147.1
20°	914.4	915.6	842.0	601.8	362.8	192.4	142.2	138.5	139.7	138.5	138.5
22.5°	953.6	962.2	816.3	500.1	241.5	139.7	132.4	133.6	133.6	133.6	137.3
25°	1005.1	991.6	775.9	403.2	158.1	128.7	128.7	129.9	129.9	129.9	131.1
27.5°	1039.4	1021.0	724.4	290.5	123.8	121.3	123.8	123.8	126.2	126.2	126.2
30°	1110.5	1062.7	659.4	187.5	111.5	115.2	117.7	120.1	121.3	123.8	125.0
32.5°	1165.6	1099.4	578.5	125.0	101.7	104.2	110.3	115.2	120.1	118.9	118.9
35°	1266.1	1159.5	503.8	99.3	93.2	93.2	99.3	107.9	115.2	117.7	117.7
37.5°	1381.3	1208.5	399.6	90.7	85.8	85.8	89.5	99.3	109.1	114.0	111.5
40°	1476.9	1264.9	295.4	84.6	79.7	79.7	82.1	89.5	100.5	109.1	110.3
42.5°	1544.3	1306.6	199.8	78.4	74.8	73.5	77.2	80.9	89.5	101.7	104.2
45°	1605.6	1328.6	123.8	72.3	69.9	69.9	69.9	73.5	79.7	90.7	93.2
47.5°	1714.7	1353.1	89.5	67.4	63.7	65.0	66.2	67.4	72.3	74.8	76.0
50°	1806.6	1371.5	73.5	62.5	60.1	61.3	61.3	61.3	63.7	60.1	60.1
52.5°	1876.5	1353.1	62.5	57.6	55.2	56.4	55.2	55.2	52.7	47.8	47.8
55°	1928.0	1320.1	50.3	52.7	52.7	52.7	50.3	46.6	41.7	38.0	38.0
57.5°	1941.5	1263.7	39.2	44.1	47.8	47.8	42.9	38.0	31.9	28.2	27.0
60°	1920.6	1141.1	29.4	31.9	36.8	38.0	34.3	28.2	22.1	18.4	18.4
62.5°	1845.9	1044.3	23.3	20.8	27.0	28.2	24.5	18.4	12.3	8.6	7.4
65°	1703.7	894.7	17.2	14.7	18.4	19.6	15.9	8.6	3.7	1.2	0.0
67.5°	1366.6	674.1	11.0	9.8	12.3	12.3	7.4	2.5	0.0	0.0	0.0
70°	756.2	378.7	7.4	4.9	6.1	3.7	1.2	0.0	0.0	0.0	0.0
72.5°	218.2	107.9	3.7	2.5	1.2	0.0	0.0	0.0	0.0	0.0	0.0
75°	58.8	25.7	2.5	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	25.7	9.8	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	11.0	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	6.1	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)