

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: P676733

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

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676733
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1F-760-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) 5700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

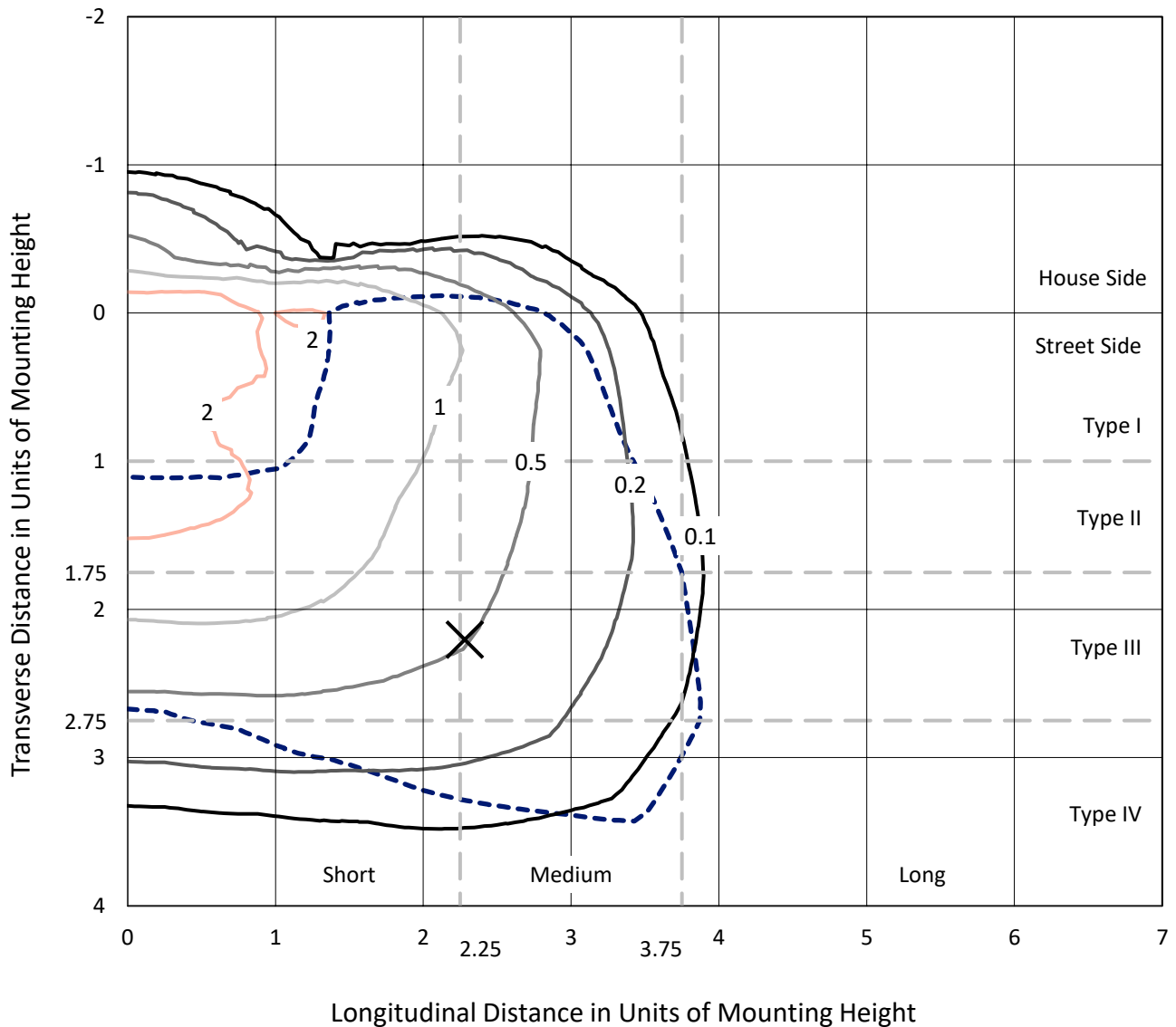
Lumens per Lamp: N/A
Luminaire Lumens: 5533.3 lumens
Efficiency: N/A
Efficacy: 82.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

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

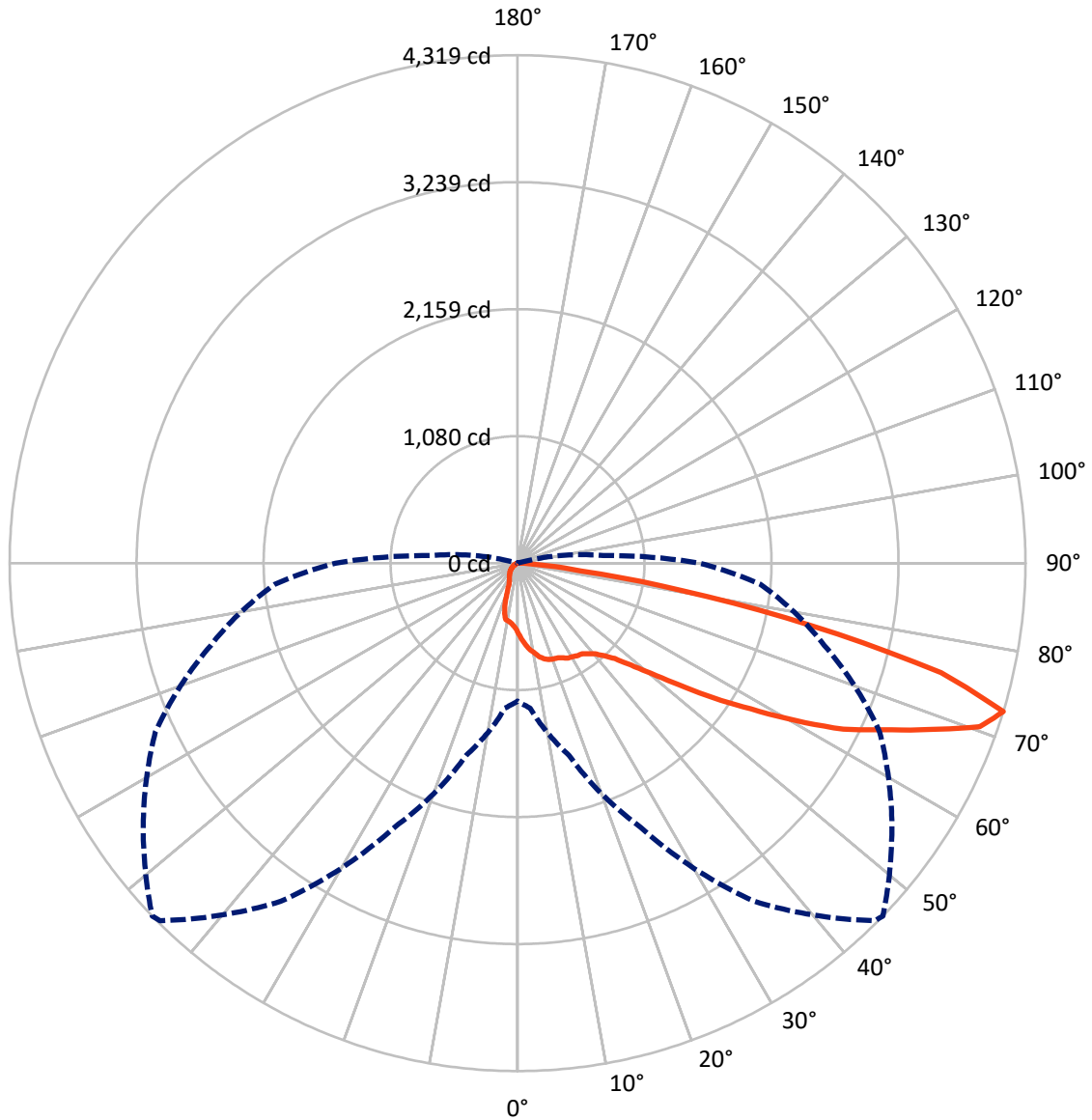
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.8 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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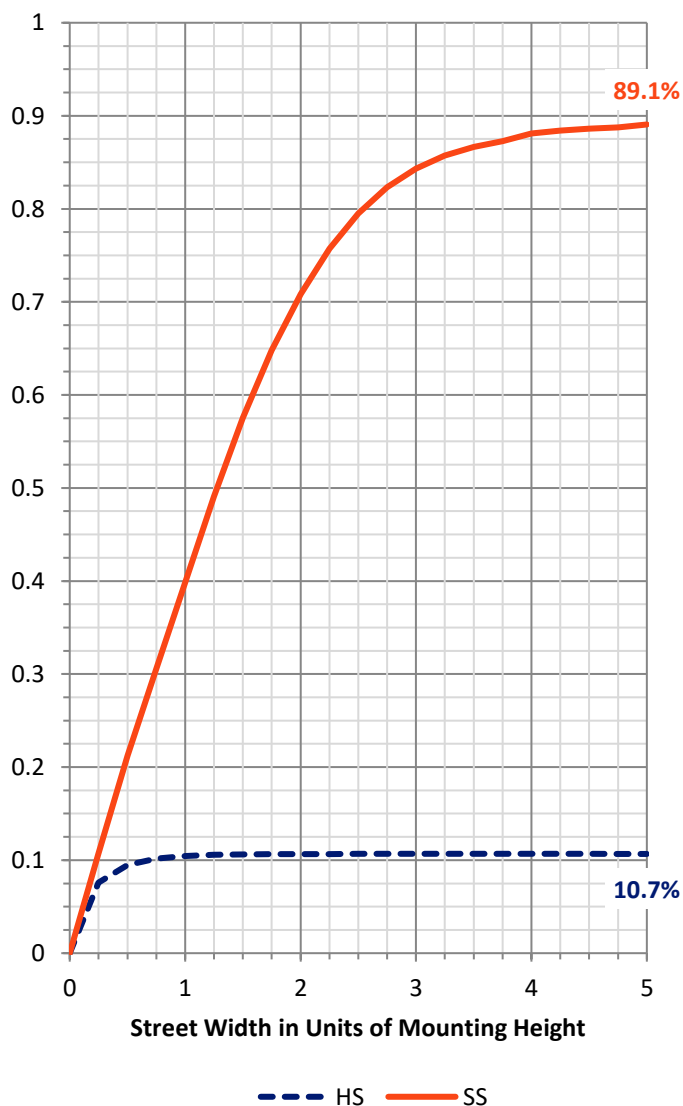
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	595.7	0.0	595.7
	% Fixture	10.8	0.0	10.8
Street Side	Lumens	4937.6	0.0	4937.6
	% Fixture	89.2	0.0	89.2
Total	Lumens	5533.3	0.0	5533.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.2	1.1
10°-20°	178.7	3.2
20°-30°	279.8	5.1
30°-40°	391.8	7.1
40°-50°	646.1	11.7
50°-60°	1161.2	21.0
60°-70°	1683.0	30.4
70°-80°	1050.4	19.0
80°-90°	83.3	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°	5533.3	100.0
0°-180°	5533.3	100.0

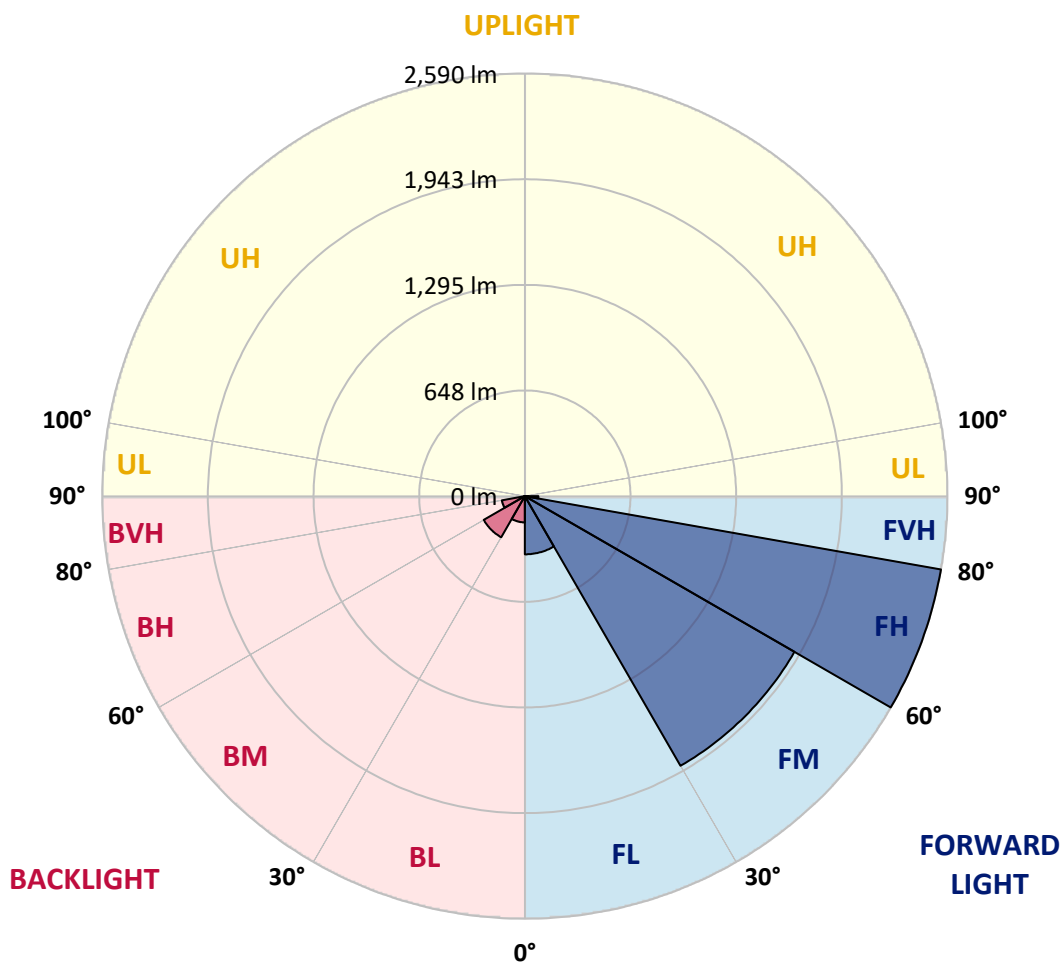


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	356.7	6.4			
FM (30°-60°)	1908.0	34.5			
FH (60°-80°)	2590.1	46.8			G2/5000
FVH (80°-90°)	82.8	1.5			G1/100
BL (0°-30°)	161.0	2.9	B1/500		
BM (30°-60°)	291.0	5.3	B1/1000		
BH (60°-80°)	143.2	2.6	B1/500		G1/500
BVH (80°-90°)	0.4	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°	591.4	591.4	591.4	591.4	591.4	591.4	591.4	591.4	591.4	591.4	591.4
2.5°	661.9	659.1	663.4	661.9	645.0	647.8	646.4	635.1	615.4	604.1	597.0
5°	738.2	745.2	739.6	726.9	717.0	697.2	694.4	676.1	645.0	625.2	604.1
7.5°	817.2	817.2	805.9	786.1	765.0	743.8	741.0	709.9	683.1	649.2	619.6
10°	876.5	869.4	861.0	839.8	815.8	787.6	773.4	750.9	721.2	680.3	642.2
12.5°	928.7	917.4	903.3	872.2	844.0	813.0	815.8	779.1	759.3	722.6	666.2
15°	958.3	948.5	935.8	907.5	863.8	849.7	844.0	821.4	786.1	749.5	695.8
17.5°	965.4	958.3	941.4	904.7	880.7	863.8	862.4	835.5	820.0	789.0	729.7
20°	951.3	938.6	925.9	901.9	879.3	873.7	869.4	869.4	849.7	808.7	750.9
22.5°	927.3	913.2	906.1	892.0	873.7	872.2	875.1	872.2	856.7	829.9	773.4
25°	908.9	901.9	890.6	886.4	875.1	896.2	892.0	887.8	883.5	852.5	808.7
27.5°	914.6	913.2	904.7	887.8	879.3	901.9	914.6	916.0	914.6	883.5	841.2
30°	917.4	910.4	901.9	897.6	900.5	923.1	923.1	954.1	941.4	910.4	873.7
32.5°	949.9	945.6	917.4	907.5	908.9	935.8	937.2	968.2	964.0	942.8	901.9
35°	1019.0	990.8	949.9	921.6	921.6	956.9	945.6	990.8	1002.1	968.2	921.6
37.5°	1122.1	1100.9	1027.5	964.0	940.0	965.4	976.7	1002.1	1036.0	1006.3	961.2
40°	1326.7	1322.5	1218.0	1081.1	986.6	1009.1	1013.4	1052.9	1075.5	1034.6	1021.9
42.5°	1625.9	1604.8	1507.4	1291.4	1071.3	1061.4	1076.9	1102.3	1155.9	1122.1	1091.0
45°	1918.1	1908.2	1810.8	1569.5	1225.1	1165.8	1157.3	1202.5	1281.5	1244.9	1220.9
47.5°	2129.8	2110.0	2055.0	1851.8	1450.9	1288.6	1294.3	1339.4	1439.6	1411.4	1418.5
50°	2292.1	2282.2	2224.4	2112.9	1736.0	1482.0	1470.7	1515.8	1651.3	1669.7	1689.4
52.5°	2469.9	2488.3	2410.7	2316.1	2073.3	1741.7	1716.3	1731.8	1906.8	1949.1	2004.2
55°	2640.7	2670.4	2592.7	2580.0	2426.2	2029.6	2025.4	1988.7	2214.5	2220.1	2249.8
57.5°	2752.2	2742.3	2736.7	2805.9	2779.0	2359.9	2338.7	2302.0	2506.6	2469.9	2558.9
60°	2760.7	2788.9	2883.5	3054.3	3102.2	2748.0	2716.9	2616.7	2759.3	2671.8	2841.1
62.5°	2824.2	2846.8	3021.8	3257.5	3319.6	3089.5	3110.7	2856.7	2975.2	2906.1	3154.5
65°	2663.3	2733.9	3085.3	3415.6	3604.7	3435.3	3414.2	3165.8	3196.8	3131.9	3463.6
67.5°	2517.9	2544.7	2911.7	3463.6	3830.5	3782.5	3774.1	3439.6	3425.5	3305.5	3551.1
70°	2046.5	2079.0	2441.7	3218.0	3906.7	4187.6	4167.9	3823.5	3580.7	3210.9	3102.2
72.5°	1172.9	1237.8	1692.3	2478.4	3510.1	4300.5	4318.9	3885.6	3397.2	2700.0	2071.9
75°	383.9	402.2	702.9	1404.3	2625.2	3751.5	3719.0	3339.4	2740.9	1782.6	935.8
77.5°	129.8	132.7	207.5	508.1	1455.1	2534.9	2553.2	2386.7	1683.8	741.0	258.3
80°	66.3	70.6	101.6	190.5	598.4	1380.3	1410.0	1360.6	705.7	218.8	62.1
82.5°	31.1	32.5	59.3	105.9	273.8	542.0	542.0	595.6	249.8	122.8	25.4
85°	11.3	11.3	31.1	60.7	115.7	180.7	182.1	183.5	131.3	91.7	11.3
87.5°	4.2	4.2	15.5	25.4	42.3	55.0	55.0	43.8	66.3	60.7	4.2
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°	591.4	591.4	591.4	591.4	591.4	591.4	591.4	591.4	591.4	591.4	591.4
2.5°	594.2	585.7	578.7	568.8	556.1	549.0	550.4	542.0	542.0	537.7	536.3
5°	594.2	585.7	567.4	550.4	539.2	525.0	518.0	512.3	512.3	509.5	510.9
7.5°	598.4	585.7	560.3	537.7	519.4	505.3	494.0	492.6	489.8	482.7	488.3
10°	623.8	605.5	563.1	532.1	510.9	495.4	475.6	470.0	461.5	448.8	450.2
12.5°	645.0	621.0	582.9	540.6	513.7	488.3	443.2	393.8	372.6	350.0	351.4
15°	676.1	642.2	590.0	551.9	513.7	431.9	350.0	286.5	252.6	235.7	235.7
17.5°	693.0	664.8	609.7	558.9	472.8	351.4	248.4	193.4	187.7	190.5	190.5
20°	728.3	690.2	632.3	564.6	405.1	249.8	182.1	176.4	179.2	184.9	183.5
22.5°	750.9	712.8	649.2	539.2	313.3	179.2	170.8	168.0	170.8	177.8	177.8
25°	769.2	745.2	676.1	477.1	221.6	162.3	159.5	162.3	165.1	168.0	172.2
27.5°	814.4	773.4	694.4	396.6	159.5	151.0	153.8	155.3	155.3	159.5	160.9
30°	844.0	811.6	708.5	306.3	141.1	139.7	142.6	144.0	145.4	149.6	151.0
32.5°	872.2	861.0	690.2	207.5	132.7	129.8	128.4	129.8	135.5	139.7	138.3
35°	913.2	906.1	663.4	144.0	124.2	118.6	115.7	117.1	121.4	125.6	124.2
37.5°	962.6	969.6	598.4	125.6	115.7	108.7	103.0	103.0	104.4	108.7	110.1
40°	1020.4	1038.8	522.2	117.1	110.1	101.6	96.0	88.9	87.5	86.1	87.5
42.5°	1126.3	1147.5	436.1	111.5	101.6	91.7	83.3	74.8	67.7	63.5	63.5
45°	1274.5	1257.6	323.2	105.9	97.4	83.3	70.6	60.7	50.8	46.6	46.6
47.5°	1479.1	1421.3	221.6	100.2	90.3	73.4	59.3	46.6	38.1	33.9	33.9
50°	1762.8	1572.3	144.0	94.6	86.1	63.5	48.0	33.9	28.2	26.8	28.2
52.5°	2031.0	1726.1	114.3	87.5	77.6	55.0	36.7	28.2	25.4	24.0	24.0
55°	2278.0	1803.8	101.6	80.4	70.6	45.2	31.1	24.0	22.6	21.2	21.2
57.5°	2486.9	1830.6	87.5	70.6	56.5	35.3	25.4	21.2	18.3	16.9	16.9
60°	2667.5	1837.6	67.7	56.5	40.9	26.8	21.2	18.3	15.5	12.7	12.7
62.5°	2811.5	1788.2	48.0	39.5	28.2	21.2	18.3	12.7	8.5	5.6	4.2
65°	2925.8	1689.4	32.5	26.8	18.3	15.5	11.3	5.6	1.4	0.0	0.0
67.5°	2791.7	1465.0	25.4	19.8	12.7	9.9	5.6	1.4	0.0	0.0	0.0
70°	2276.6	1136.2	18.3	12.7	8.5	2.8	1.4	0.0	0.0	0.0	0.0
72.5°	1549.7	732.5	14.1	8.5	4.2	1.4	0.0	0.0	0.0	0.0	0.0
75°	695.8	262.5	9.9	5.6	1.4	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	169.4	62.1	7.1	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	45.2	15.5	4.2	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	16.9	5.6	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	7.1	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.8	1.4	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)