

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: P676428

Luminaire Tested: **CCW-SA-2E-740-U-T3-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676428
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2E-740-U-T3-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @1050mA w/
T3 distribution lens and House Side Shield
Light Source: (32) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

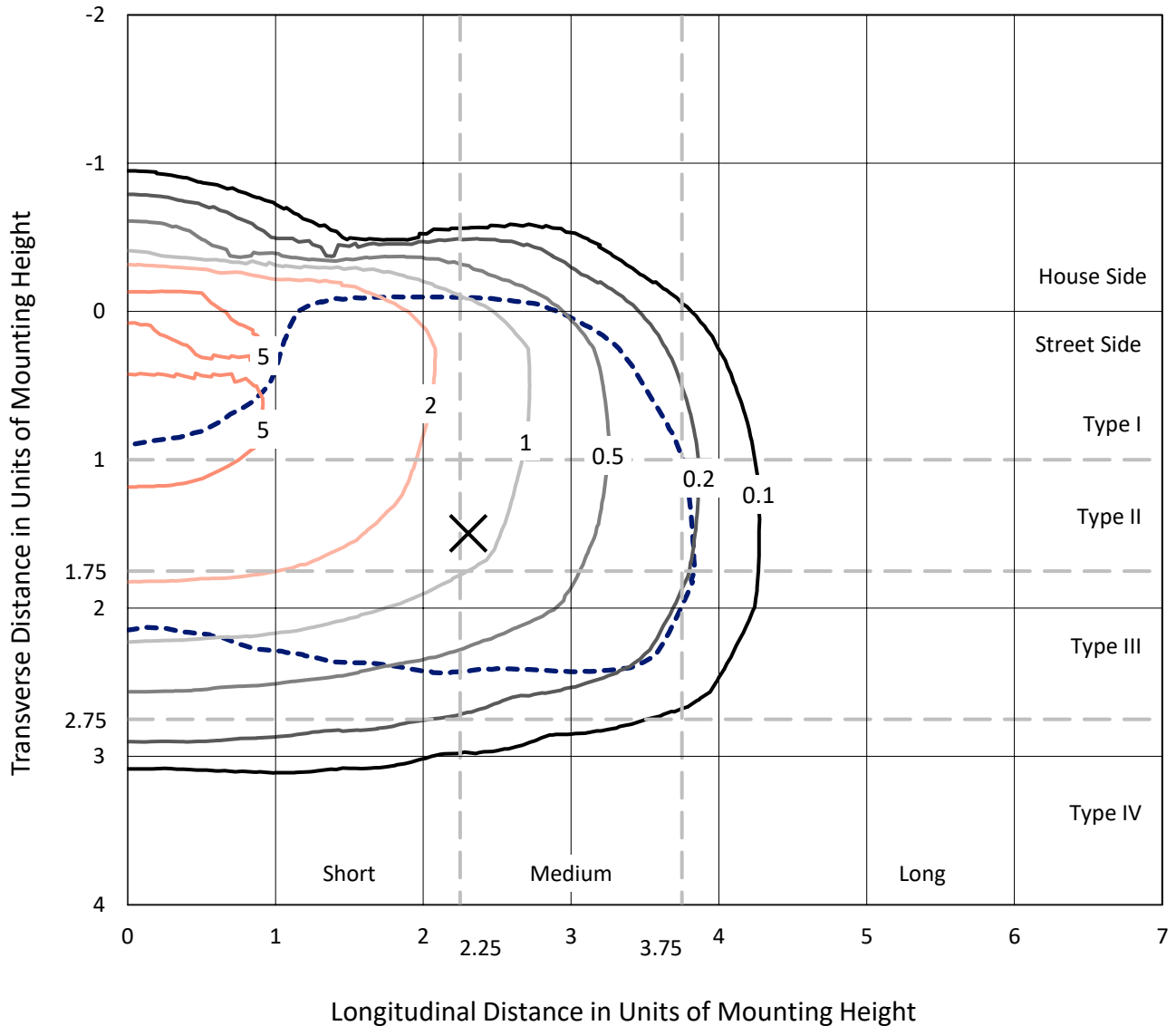
Lumens per Lamp: N/A
Luminaire Lumens: 9850.2 lumens
Efficiency: N/A
Efficacy: 92.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 106.6
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

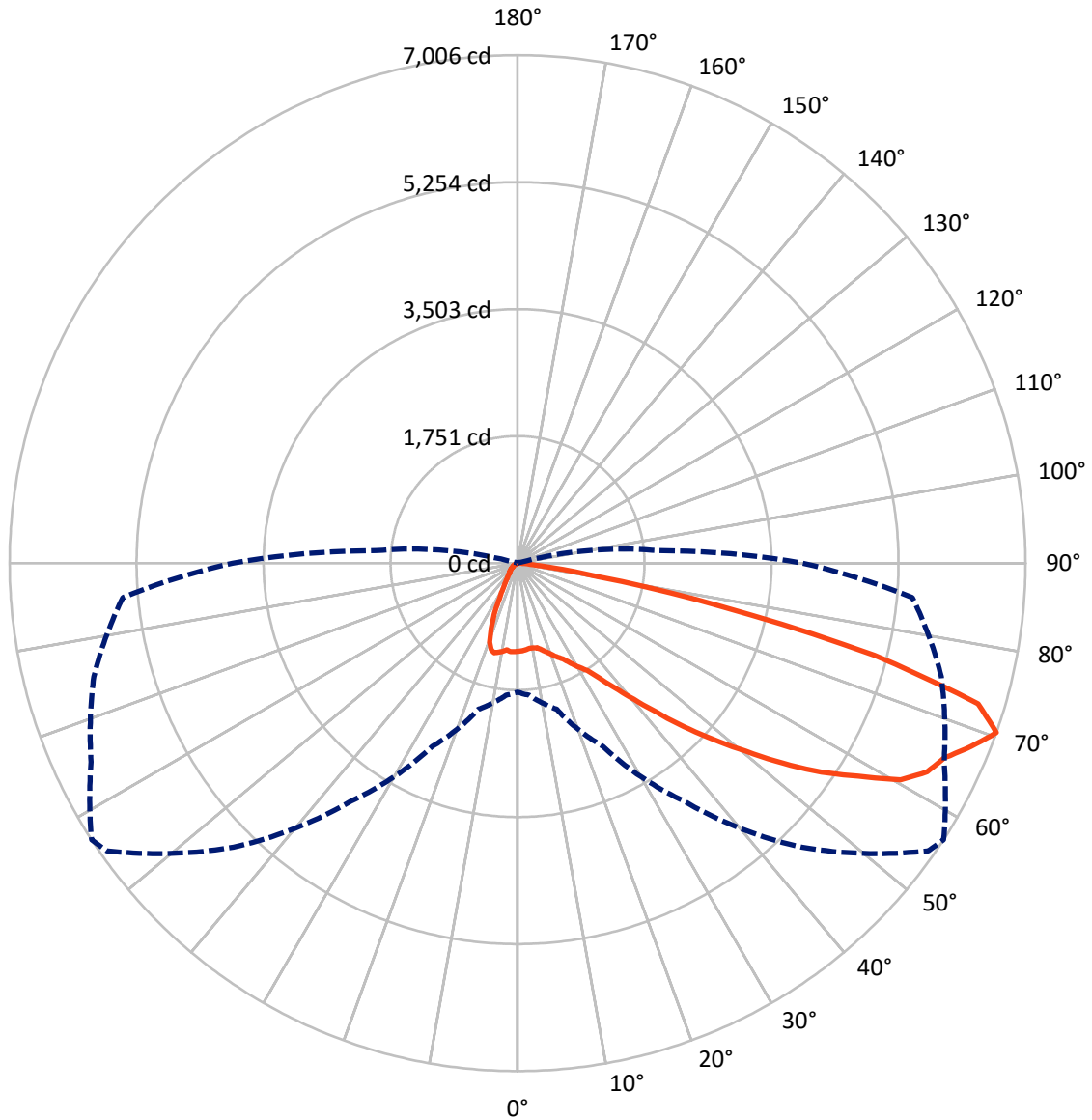
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.9 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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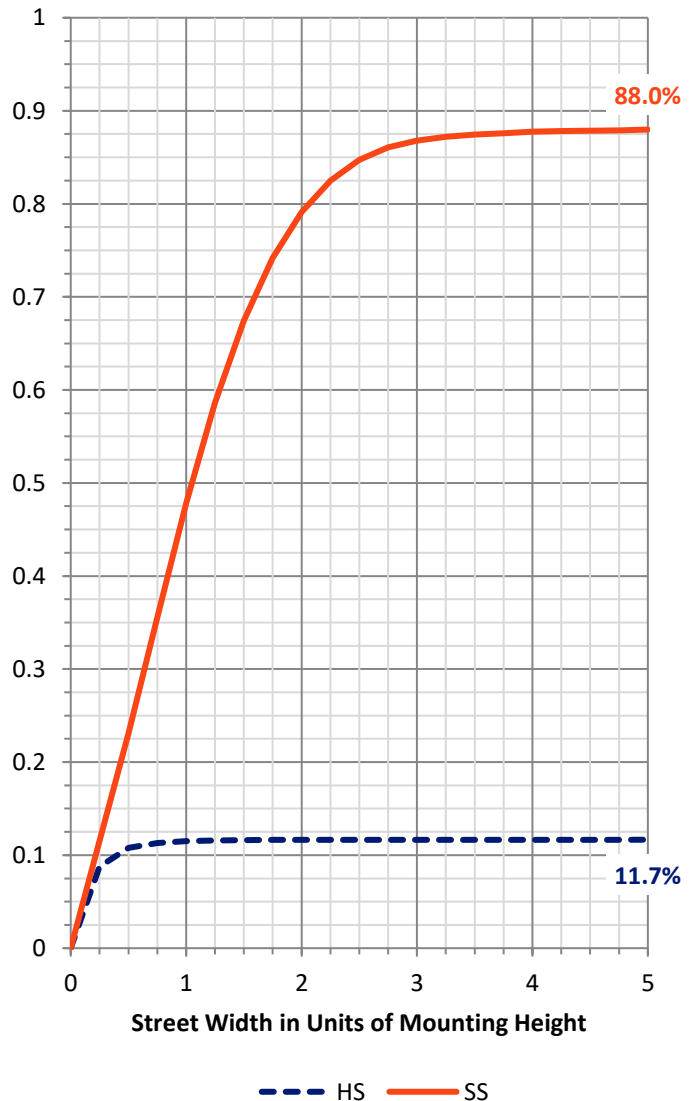
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1161.1	0.0	1161.1
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	8689.2	0.0	8689.2
	% Fixture	88.2	0.0	88.2
Total	Lumens	9850.2	0.0	9850.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.6	1.2
10°-20°	317.5	3.2
20°-30°	534.9	5.4
30°-40°	915.5	9.3
40°-50°	1537.2	15.6
50°-60°	2359.5	24.0
60°-70°	2724.2	27.7
70°-80°	1286.8	13.1
80°-90°	61.1	0.6
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°	9850.2	100.0
0°-180°	9850.2	100.0



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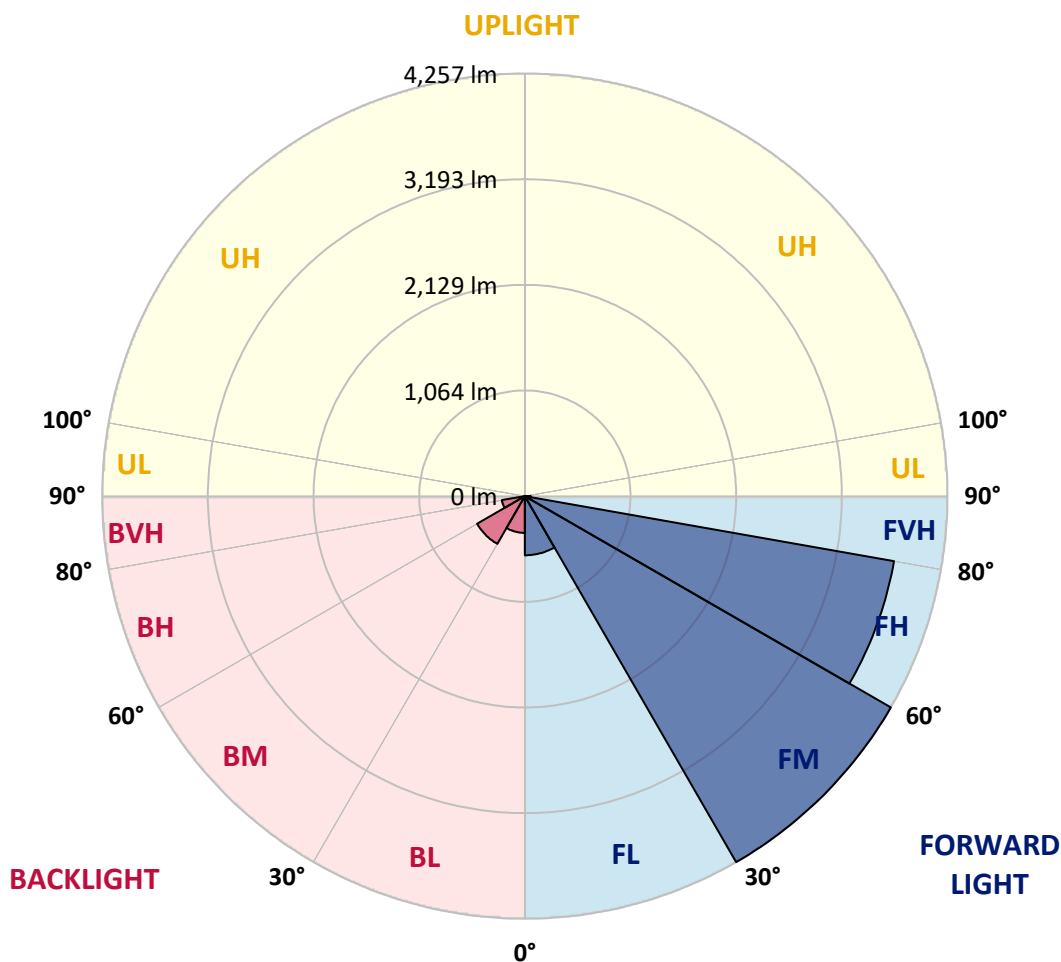
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	595.9	6.0			
FM (30°-60°)	4257.1	43.2			
FH (60°-80°)	3776.2	38.3			G2/5000
FVH (80°-90°)	60.0	0.6			G1/100
BL (0°-30°)	370.1	3.8	B1/500		
BM (30°-60°)	555.0	5.6	B1/1000		
BH (60°-80°)	234.8	2.4	B1/500		G1/500
BVH (80°-90°)	1.1	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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	1215.4	1215.4	1215.4	1215.4	1215.4	1215.4	1215.4	1215.4	1215.4	1215.4	1215.4
2.5°	1197.8	1190.2	1197.8	1207.8	1197.8	1205.3	1202.8	1210.4	1200.3	1200.3	1207.8
5°	1119.8	1132.4	1137.4	1150.0	1162.5	1185.2	1200.3	1200.3	1215.4	1222.9	1233.0
7.5°	1092.1	1072.0	1092.1	1102.2	1114.7	1152.5	1175.1	1185.2	1205.3	1233.0	1248.1
10°	1051.8	1066.9	1066.9	1099.6	1117.3	1139.9	1180.2	1187.7	1233.0	1260.7	1275.8
12.5°	1049.3	1049.3	1061.9	1084.5	1119.8	1162.5	1212.9	1197.8	1245.6	1295.9	1321.1
15°	1056.9	1074.5	1074.5	1104.7	1132.4	1192.7	1235.5	1238.0	1306.0	1356.3	1379.0
17.5°	1089.6	1082.0	1092.1	1109.7	1152.5	1210.4	1280.8	1288.4	1366.4	1434.3	1467.0
20°	1157.5	1170.1	1155.0	1144.9	1162.5	1238.0	1328.6	1343.7	1431.8	1497.2	1529.9
22.5°	1411.7	1401.6	1341.2	1270.7	1240.6	1275.8	1373.9	1409.1	1512.3	1590.3	1618.0
25°	1698.5	1680.9	1610.5	1504.8	1366.4	1351.3	1464.5	1464.5	1613.0	1698.5	1691.0
27.5°	1970.3	1965.3	1882.2	1771.5	1575.2	1467.0	1537.5	1565.2	1726.2	1796.7	1764.0
30°	2247.1	2252.1	2176.6	2043.3	1836.9	1653.2	1640.7	1663.3	1811.8	1922.5	1854.5
32.5°	2569.2	2523.9	2471.0	2287.3	2098.6	1892.3	1774.0	1764.0	1907.4	2008.0	1917.4
35°	2856.0	2828.4	2770.5	2604.4	2388.0	2141.4	1975.3	1950.2	2028.2	2161.5	2063.4
37.5°	3107.7	3080.0	3004.5	2893.8	2725.2	2450.9	2216.9	2179.1	2211.9	2352.8	2234.5
40°	3324.1	3331.6	3311.5	3203.3	3047.3	2798.2	2528.9	2468.5	2440.8	2566.7	2433.3
42.5°	3480.1	3553.1	3558.1	3424.7	3298.9	3163.0	2861.1	2813.3	2747.8	2853.5	2760.4
45°	3807.2	3767.0	3792.1	3744.3	3605.9	3585.8	3243.6	3215.9	3125.3	3160.5	3062.4
47.5°	4063.9	4056.3	4104.1	4026.1	3988.4	3990.9	3678.9	3631.1	3502.7	3568.2	3457.4
50°	4212.3	4172.1	4345.7	4406.1	4398.6	4428.7	4119.2	4079.0	3955.7	4051.3	3814.8
52.5°	4247.6	4320.5	4484.1	4703.0	4796.1	4859.0	4599.9	4584.8	4451.4	4511.8	4184.7
55°	4335.6	4406.1	4501.7	4861.6	5206.3	5221.4	5072.9	5088.0	4969.8	4954.7	4537.0
57.5°	4333.1	4318.0	4582.2	5000.0	5478.1	5694.5	5613.9	5541.0	5412.6	5264.2	4763.4
60°	4174.6	4167.0	4441.3	5017.6	5626.5	6122.2	6155.0	6069.4	5747.3	5528.4	5030.2
62.5°	3860.1	3890.3	4167.0	4866.6	5767.4	6275.7	6396.5	6338.6	5938.5	5704.5	5344.7
65°	3500.2	3437.3	3759.4	4489.1	5450.4	6230.4	6492.1	6472.0	6165.0	5895.8	5634.1
67.5°	2808.2	2835.9	3082.5	3862.6	4909.4	6064.4	6716.1	6746.3	6346.2	6064.4	5722.1
70°	1779.0	1829.4	2086.0	2790.6	4008.5	5541.0	6917.4	7005.5	6489.6	6049.3	5465.5
72.5°	518.4	538.5	888.3	1391.5	2554.1	4443.8	6595.3	6640.6	6210.3	5490.6	4227.4
75°	171.1	181.2	261.7	452.9	1001.5	2297.4	4871.6	5085.5	4942.1	3980.8	2418.2
77.5°	113.2	118.3	143.4	216.4	380.0	719.7	2612.0	2840.9	2785.6	1864.6	780.1
80°	83.0	85.6	105.7	145.9	231.5	259.2	963.8	1114.7	1077.0	427.8	156.0
82.5°	52.8	52.8	78.0	103.2	145.9	128.3	279.3	309.5	302.0	163.6	60.4
85°	35.2	37.7	57.9	80.5	80.5	60.4	80.5	93.1	100.7	88.1	27.7
87.5°	10.1	12.6	32.7	55.4	32.7	30.2	27.7	30.2	35.2	47.8	15.1
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°	1215.4	1215.4	1215.4	1215.4	1215.4	1215.4	1215.4	1215.4	1215.4	1215.4	1215.4
2.5°	1215.4	1225.5	1222.9	1228.0	1220.4	1212.9	1220.4	1220.4	1220.4	1212.9	1207.8
5°	1225.5	1220.4	1225.5	1215.4	1225.5	1215.4	1210.4	1195.3	1192.7	1192.7	1202.8
7.5°	1240.6	1245.6	1222.9	1222.9	1200.3	1205.3	1192.7	1195.3	1190.2	1182.7	1177.6
10°	1263.2	1283.3	1260.7	1253.1	1228.0	1207.8	1177.6	1162.5	1162.5	1152.5	1162.5
12.5°	1326.1	1318.6	1306.0	1280.8	1250.6	1210.4	1137.4	1064.4	1004.0	958.7	981.4
15°	1376.4	1373.9	1356.3	1308.5	1268.2	1144.9	961.2	772.5	671.9	626.6	619.0
17.5°	1454.4	1446.9	1416.7	1353.8	1220.4	948.7	659.3	500.8	402.6	380.0	372.4
20°	1527.4	1524.9	1459.5	1379.0	1099.6	692.0	430.3	329.6	302.0	304.5	299.4
22.5°	1605.4	1592.8	1514.8	1348.8	875.7	460.5	307.0	294.4	284.3	281.8	286.9
25°	1693.5	1648.2	1570.2	1280.8	644.2	317.1	289.4	279.3	269.2	266.7	266.7
27.5°	1728.7	1698.5	1595.4	1117.3	407.6	276.8	271.8	259.2	246.6	239.1	236.5
30°	1809.2	1758.9	1620.5	878.2	289.4	254.1	246.6	231.5	213.9	201.3	201.3
32.5°	1889.8	1829.4	1623.0	614.0	241.6	229.0	216.4	196.3	173.6	161.0	163.6
35°	1990.4	1907.4	1595.4	397.6	216.4	201.3	176.1	153.5	133.4	123.3	123.3
37.5°	2161.5	2083.5	1482.1	261.7	196.3	171.1	145.9	120.8	103.2	95.6	95.6
40°	2377.9	2277.3	1326.1	206.3	173.6	145.9	115.8	93.1	83.0	75.5	75.5
42.5°	2637.1	2511.3	1094.6	183.7	153.5	120.8	90.6	73.0	62.9	62.9	60.4
45°	2896.3	2690.0	858.1	168.6	135.9	100.7	70.5	57.9	52.8	50.3	50.3
47.5°	3266.2	2906.4	614.0	153.5	118.3	78.0	57.9	47.8	42.8	40.3	42.8
50°	3621.0	3110.2	435.3	138.4	98.1	62.9	47.8	42.8	37.7	35.2	35.2
52.5°	3933.0	3251.1	304.5	120.8	83.0	52.8	42.8	37.7	35.2	32.7	32.7
55°	4104.1	3203.3	208.9	103.2	67.9	45.3	37.7	32.7	30.2	27.7	27.7
57.5°	4280.3	3069.9	158.5	85.6	55.4	42.8	35.2	30.2	27.7	25.2	25.2
60°	4428.7	2971.8	123.3	67.9	45.3	35.2	30.2	25.2	22.6	20.1	17.6
62.5°	4436.3	2775.5	90.6	50.3	35.2	30.2	25.2	20.1	12.6	10.1	7.5
65°	4466.5	2569.2	65.4	37.7	25.2	22.6	17.6	10.1	5.0	0.0	0.0
67.5°	4360.8	2325.1	52.8	27.7	17.6	12.6	7.5	2.5	0.0	0.0	0.0
70°	3930.5	1962.7	40.3	20.1	12.6	7.5	2.5	0.0	0.0	0.0	0.0
72.5°	2813.3	1275.8	27.7	15.1	5.0	2.5	0.0	0.0	0.0	0.0	0.0
75°	1499.7	543.5	20.1	10.1	2.5	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	470.6	138.4	12.6	5.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0
80°	103.2	37.7	7.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	35.2	15.1	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	12.6	5.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.0	2.5	2.5	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)