

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: P675120

Luminaire Tested: **CCW-SA-2D-735-U-T4FT**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675120
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2D-735-U-T4FT
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @800mA w/
T4FT distribution lens
Light Source: (32) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

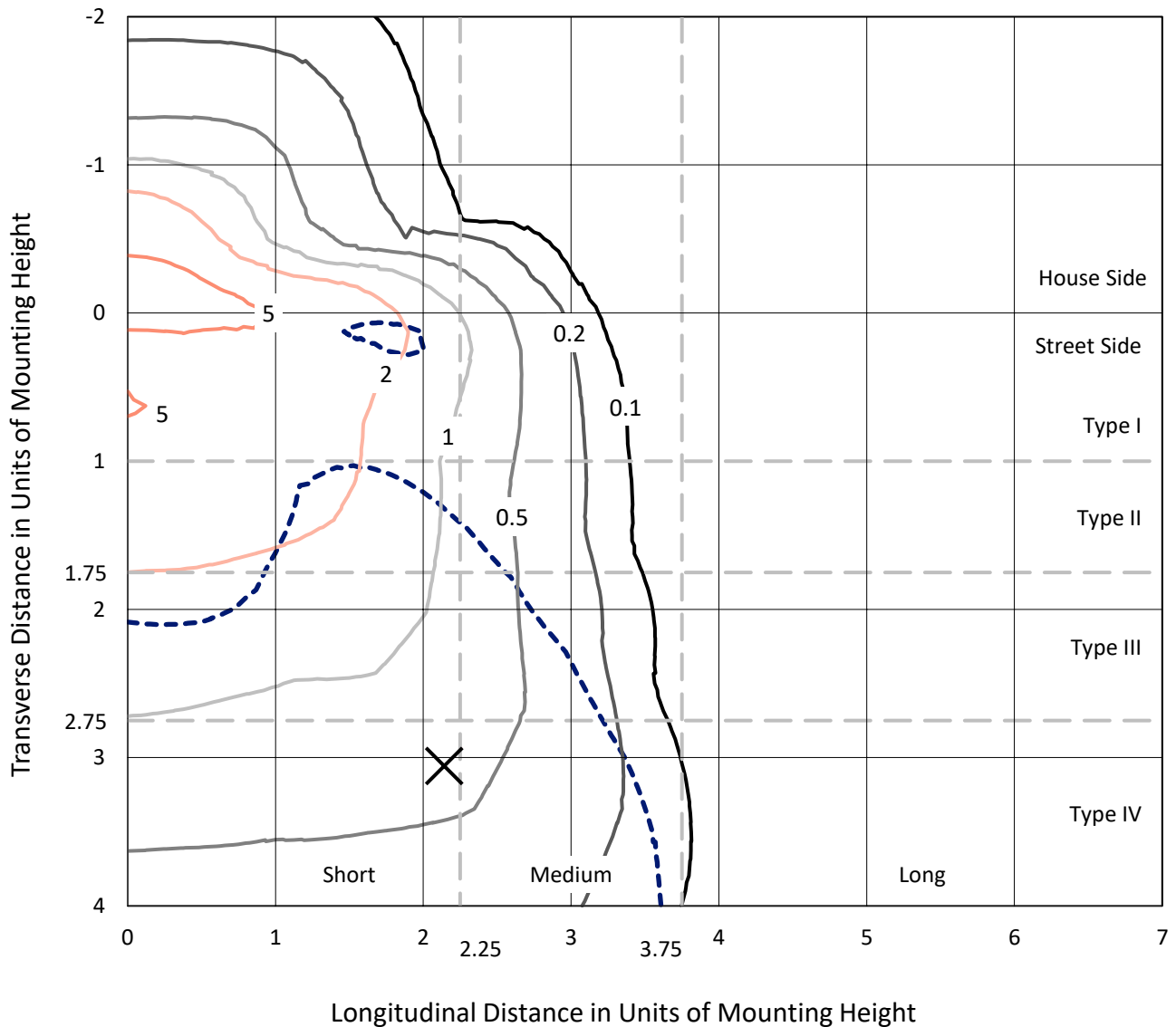
Lumens per Lamp: N/A
Luminaire Lumens: 10993.2 lumens
Efficiency: N/A
Efficacy: 136.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

Input Watts (W): 80.8
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

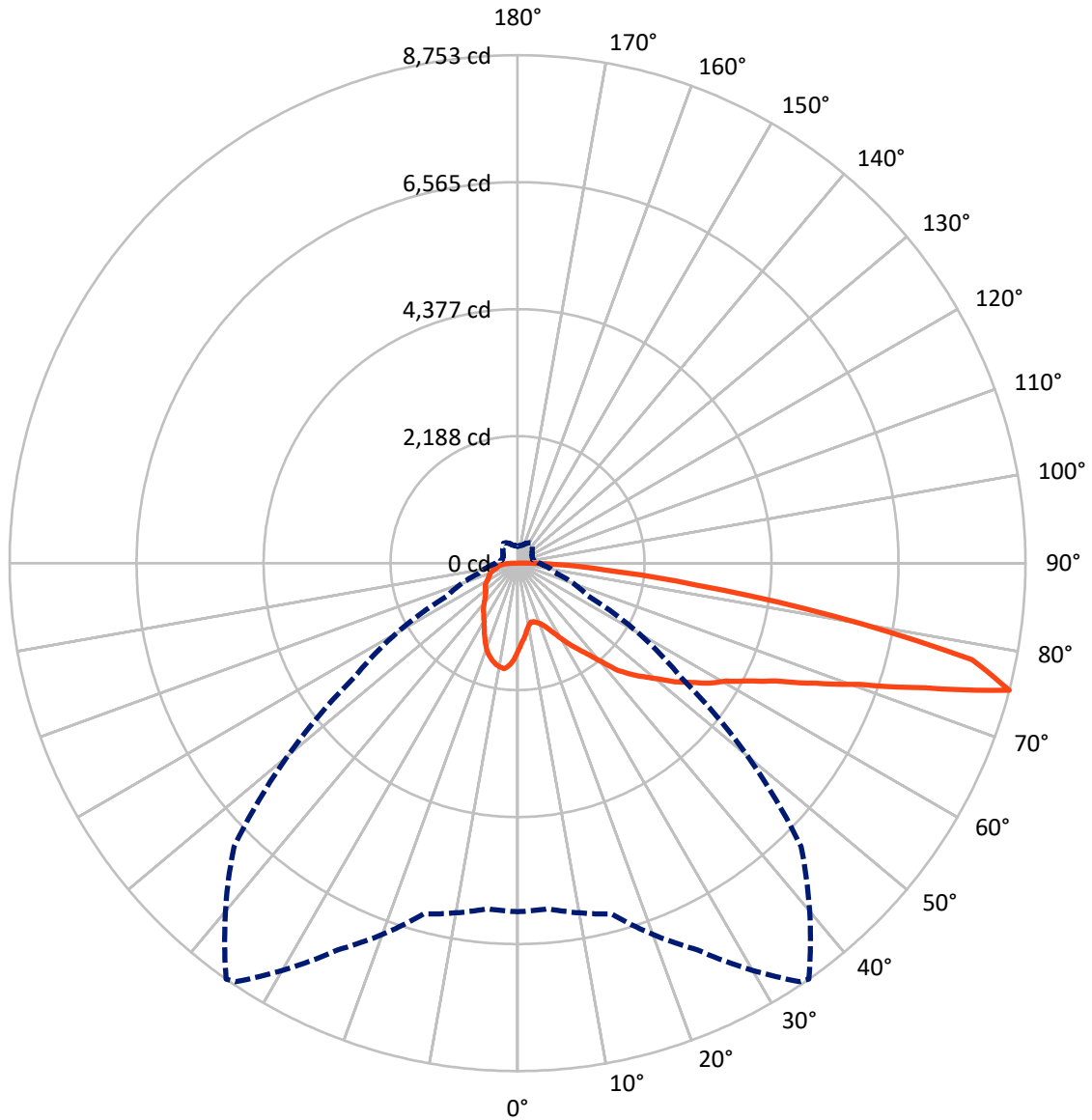
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 7.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2526.5	0.0	2526.5
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	8466.7	0.0	8466.7
	% Fixture	77.0	0.0	77.0
Total	Lumens	10993.2	0.0	10993.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.5	1.3
10°-20°	416.5	3.8
20°-30°	691.1	6.3
30°-40°	1024.5	9.3
40°-50°	1477.2	13.4
50°-60°	2031.4	18.5
60°-70°	2509.2	22.8
70°-80°	2295.6	20.9
80°-90°	404.1	3.7
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°	10993.2	100.0
0°-180°	10993.2	100.0



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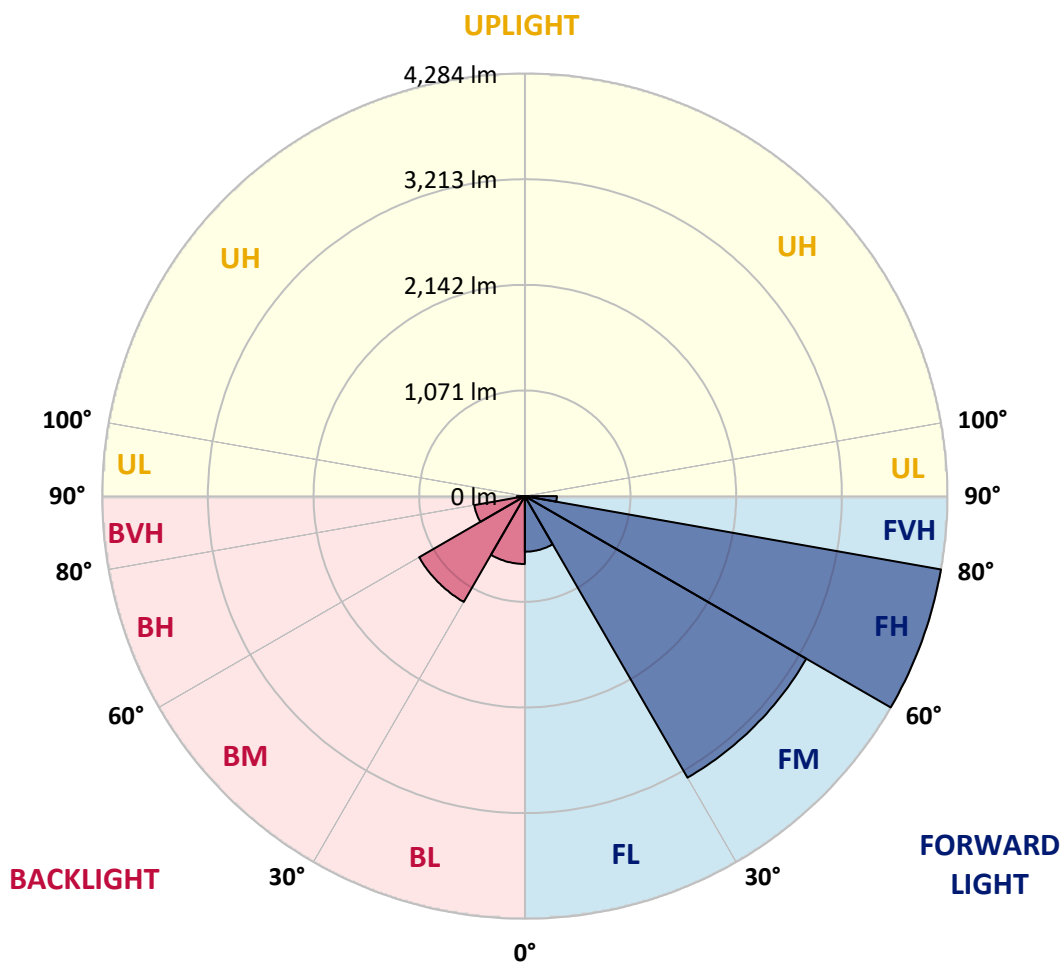
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	563.5	5.1			
FM (30°-60°)	3295.1	30.0			
FH (60°-80°)	4283.8	39.0			G2/5000
FVH (80°-90°)	324.3	3.0			G3/500
BL (0°-30°)	687.7	6.3	B2/1000		
BM (30°-60°)	1238.1	11.3	B2/2500		
BH (60°-80°)	521.0	4.7	B2/1000		G2/1000
BVH (80°-90°)	79.8	0.7			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	1506.1	1506.1	1506.1	1506.1	1506.1	1506.1	1506.1	1506.1	1506.1	1506.1	1506.1
2.5°	1364.4	1352.3	1364.4	1372.5	1372.5	1372.5	1384.7	1421.1	1445.4	1461.6	1489.9
5°	1222.7	1226.8	1234.9	1255.1	1267.3	1275.4	1295.6	1340.1	1376.6	1429.2	1489.9
7.5°	1097.2	1105.3	1117.5	1137.7	1166.0	1162.0	1206.5	1267.3	1336.1	1404.9	1494.0
10°	1032.4	1048.6	1052.7	1056.7	1085.1	1085.1	1145.8	1214.6	1299.6	1388.7	1494.0
12.5°	1044.6	1044.6	1032.4	1028.4	1044.6	1040.5	1093.2	1174.1	1267.3	1392.8	1510.2
15°	1081.0	1081.0	1056.7	1032.4	1056.7	1048.6	1093.2	1157.9	1267.3	1396.8	1542.6
17.5°	1129.6	1133.6	1105.3	1064.8	1072.9	1077.0	1109.4	1170.1	1267.3	1404.9	1587.1
20°	1226.8	1206.5	1162.0	1097.2	1125.6	1113.4	1162.0	1214.6	1291.5	1437.3	1651.9
22.5°	1311.8	1311.8	1226.8	1170.1	1174.1	1174.1	1218.7	1263.2	1328.0	1481.8	1700.5
25°	1449.5	1441.4	1336.1	1251.1	1259.2	1263.2	1287.5	1340.1	1388.7	1506.1	1761.2
27.5°	1623.5	1603.3	1498.0	1400.9	1368.5	1380.6	1392.8	1433.3	1445.4	1546.6	1834.1
30°	1809.8	1781.4	1692.4	1538.5	1522.3	1526.4	1506.1	1530.4	1514.2	1611.4	1907.0
32.5°	1927.2	1927.2	1842.2	1728.8	1684.3	1684.3	1615.4	1631.6	1631.6	1672.1	2036.5
35°	2028.4	2020.3	1963.6	1878.6	1850.3	1834.1	1765.3	1789.5	1749.1	1789.5	2218.7
37.5°	2182.3	2158.0	2133.7	2077.0	2020.3	2008.2	1971.7	1987.9	1931.3	1911.0	2425.2
40°	2360.4	2348.3	2324.0	2299.7	2243.0	2239.0	2198.5	2214.7	2153.9	2077.0	2631.7
42.5°	2623.6	2587.1	2510.2	2490.0	2502.1	2518.3	2502.1	2473.8	2364.5	2267.3	2854.4
45°	2886.8	2830.1	2684.3	2651.9	2745.0	2732.9	2801.7	2789.6	2611.4	2457.6	3089.2
47.5°	3056.8	3008.2	2890.8	2870.6	2911.0	2927.2	3133.7	3097.3	2813.9	2631.7	3315.9
50°	3178.3	3182.3	3028.5	3081.1	3133.7	3133.7	3392.8	3388.8	3060.8	2846.3	3611.5
52.5°	3356.4	3299.7	3234.9	3283.5	3356.4	3396.9	3716.7	3627.7	3214.7	3028.5	3943.5
55°	3449.5	3425.2	3368.6	3453.6	3607.4	3627.7	3967.8	3898.9	3388.8	3243.0	4283.6
57.5°	3486.0	3506.2	3599.3	3635.8	3850.4	3903.0	4194.5	4097.3	3550.7	3510.3	4546.7
60°	3647.9	3619.6	3745.1	3890.8	4097.3	4125.7	4477.9	4267.4	3708.6	3684.4	4631.8
62.5°	3975.9	3903.0	3971.8	4145.9	4433.4	4469.8	4777.5	4494.1	3777.5	3801.8	4627.7
65°	4453.6	4401.0	4299.8	4437.4	4842.3	4894.9	5129.8	4688.4	3757.2	3761.3	4299.8
67.5°	5016.4	4931.4	4826.1	4911.1	5405.1	5526.5	5558.9	4773.5	3615.5	3534.6	3498.1
70°	5510.3	5453.7	5384.8	5530.6	6218.9	6263.4	6093.4	4720.8	3222.8	2838.2	2332.1
72.5°	5971.9	5943.6	5984.0	6530.6	7320.1	7348.5	6595.4	4388.8	2546.7	1720.7	1085.1
75°	6008.3	5980.0	6259.4	7356.6	8700.7	8753.4	6907.2	3441.4	1344.2	700.4	457.5
77.5°	4069.0	4154.0	4676.3	6441.6	7992.2	8004.4	5648.0	1599.3	554.7	413.0	319.9
80°	1000.0	1109.4	1761.2	3332.1	5388.9	5522.5	3093.2	538.5	364.4	315.8	238.9
82.5°	364.4	396.8	716.6	1506.1	3028.5	3081.1	1081.0	291.5	263.2	242.9	174.1
85°	174.1	178.1	340.1	740.9	1530.4	1514.2	388.7	174.1	190.3	166.0	105.3
87.5°	72.9	72.9	149.8	344.1	676.1	655.9	125.5	81.0	109.3	97.2	52.6
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°	1506.1	1506.1	1506.1	1506.1	1506.1	1506.1	1506.1	1506.1	1506.1	1506.1	1506.1
2.5°	1510.2	1518.3	1550.7	1575.0	1599.3	1619.5	1651.9	1651.9	1672.1	1672.1	1672.1
5°	1506.1	1550.7	1603.3	1660.0	1696.4	1732.9	1765.3	1769.3	1781.4	1797.6	1801.7
7.5°	1522.3	1566.9	1651.9	1732.9	1777.4	1793.6	1834.1	1821.9	1821.9	1821.9	1834.1
10°	1554.7	1603.3	1720.7	1793.6	1826.0	1830.0	1817.9	1809.8	1785.5	1777.4	1765.3
12.5°	1579.0	1664.0	1781.4	1838.1	1826.0	1813.8	1785.5	1745.0	1716.7	1708.6	1708.6
15°	1639.7	1724.8	1834.1	1854.3	1834.1	1769.3	1732.9	1688.3	1664.0	1627.6	1643.8
17.5°	1692.4	1789.5	1886.7	1862.4	1821.9	1720.7	1668.1	1603.3	1570.9	1530.4	1530.4
20°	1761.2	1850.3	1935.3	1870.5	1781.4	1672.1	1587.1	1506.1	1461.6	1421.1	1429.2
22.5°	1838.1	1919.1	1963.6	1838.1	1720.7	1595.2	1477.8	1400.9	1344.2	1319.9	1328.0
25°	1898.9	1987.9	1979.8	1785.5	1647.8	1498.0	1368.5	1295.6	1283.5	1259.2	1259.2
27.5°	1975.8	2068.9	1967.7	1720.7	1526.4	1344.2	1263.2	1234.9	1234.9	1222.7	1230.8
30°	2077.0	2141.8	1939.3	1627.6	1372.5	1206.5	1166.0	1182.2	1210.6	1198.4	1202.5
32.5°	2243.0	2234.9	1915.1	1522.3	1210.6	1072.9	1101.3	1133.6	1157.9	1170.1	1178.2
35°	2405.0	2352.3	1886.7	1380.6	1060.8	1008.1	1032.4	1068.9	1113.4	1125.6	1129.6
37.5°	2566.9	2473.8	1838.1	1206.5	967.6	951.5	975.7	996.0	1032.4	1040.5	1048.6
40°	2737.0	2554.8	1753.1	1036.5	890.7	890.7	906.9	911.0	931.2	943.4	951.5
42.5°	2886.8	2631.7	1599.3	878.6	809.7	838.1	842.1	834.0	817.8	825.9	830.0
45°	3068.9	2716.7	1421.1	765.2	749.0	785.5	793.6	761.2	732.8	716.6	708.5
47.5°	3247.1	2805.8	1267.3	672.1	692.3	749.0	749.0	712.6	664.0	623.5	607.3
50°	3409.0	2894.9	1141.7	615.4	635.7	720.7	728.8	659.9	607.3	558.7	550.6
52.5°	3680.3	3044.7	1012.2	570.9	603.3	700.4	696.4	635.7	566.8	514.2	510.1
55°	3919.2	3194.5	842.1	526.3	570.9	672.1	684.2	611.4	518.2	469.7	461.6
57.5°	4093.3	3230.9	672.1	481.8	538.5	639.7	655.9	562.8	485.8	445.4	441.3
60°	4125.7	3089.2	546.6	445.4	493.9	595.2	607.3	534.4	461.6	429.2	421.1
62.5°	3975.9	2817.9	465.6	413.0	457.5	550.6	574.9	502.0	437.3	408.9	404.9
65°	3635.8	2421.1	408.9	384.6	433.2	518.2	546.6	477.8	417.0	392.7	388.7
67.5°	2878.7	1858.4	364.4	364.4	400.8	485.8	526.3	461.6	396.8	380.6	376.5
70°	1882.7	1117.5	332.0	336.0	376.5	457.5	502.0	441.3	372.5	368.4	360.3
72.5°	809.7	514.2	295.6	307.7	340.1	408.9	465.6	413.0	344.1	332.0	319.9
75°	372.5	311.8	267.2	275.3	303.7	360.3	421.1	380.6	319.9	299.6	287.5
77.5°	263.2	226.7	222.7	238.9	259.1	311.8	372.5	356.3	295.6	279.4	271.3
80°	194.3	174.1	186.2	202.4	214.6	287.5	352.2	327.9	271.3	247.0	234.8
82.5°	137.7	129.6	145.8	161.9	174.1	251.0	323.9	287.5	226.7	206.5	186.2
85°	81.0	85.0	101.2	109.3	121.5	186.2	271.3	230.8	174.1	133.6	129.6
87.5°	36.4	36.4	48.6	52.6	60.7	109.3	182.2	145.8	109.3	85.0	81.0
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)