

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: P675408

Luminaire Tested: **CCW-SA-2D-735-U-SL2**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675408
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-SL2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @800mA w/
SL2 distribution lens
Light Source: (32) 3500K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

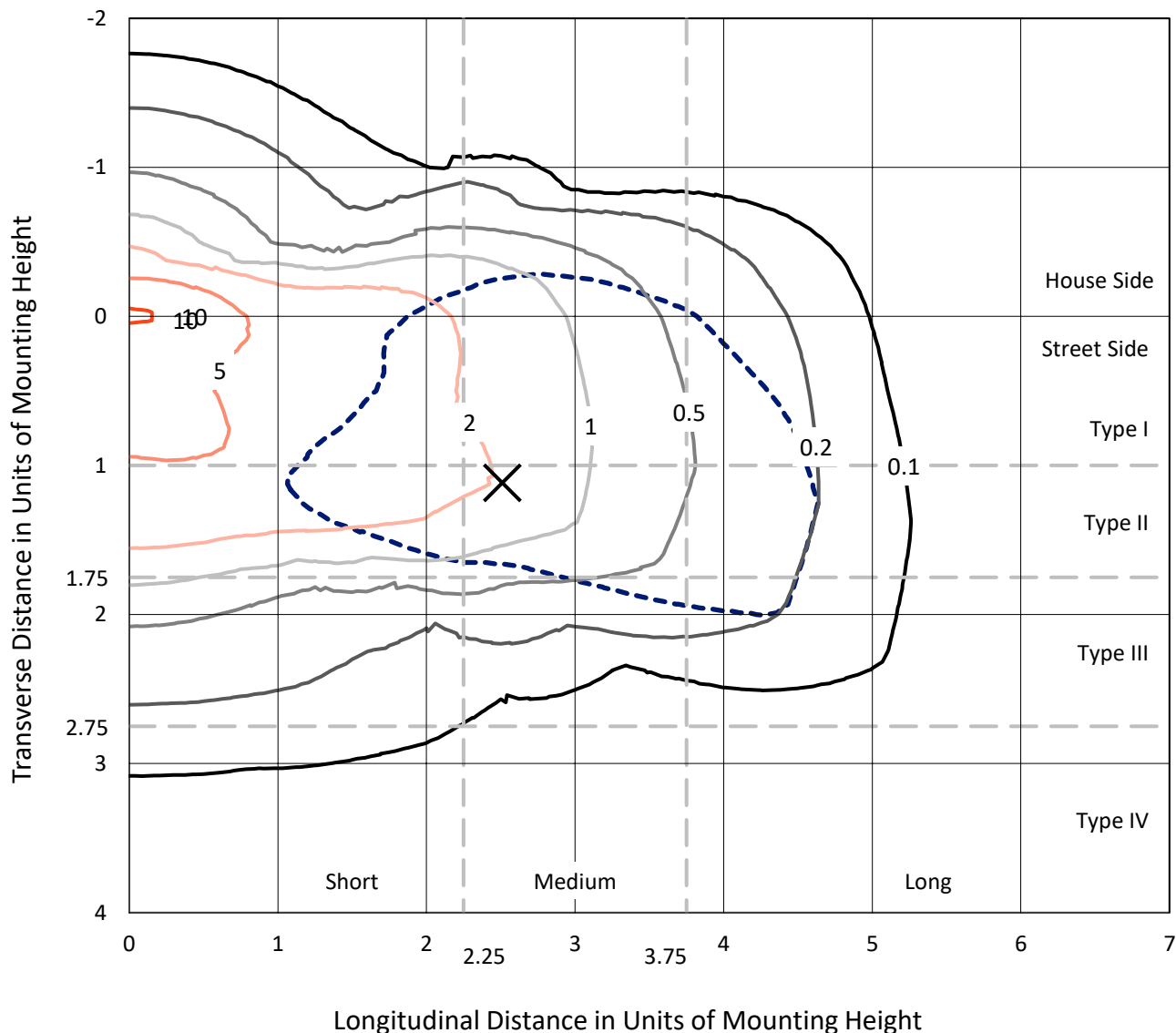
Lumens per Lamp: N/A
Luminaire Lumens: 10886.6 lumens
Efficiency: N/A
Efficacy: 134.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

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

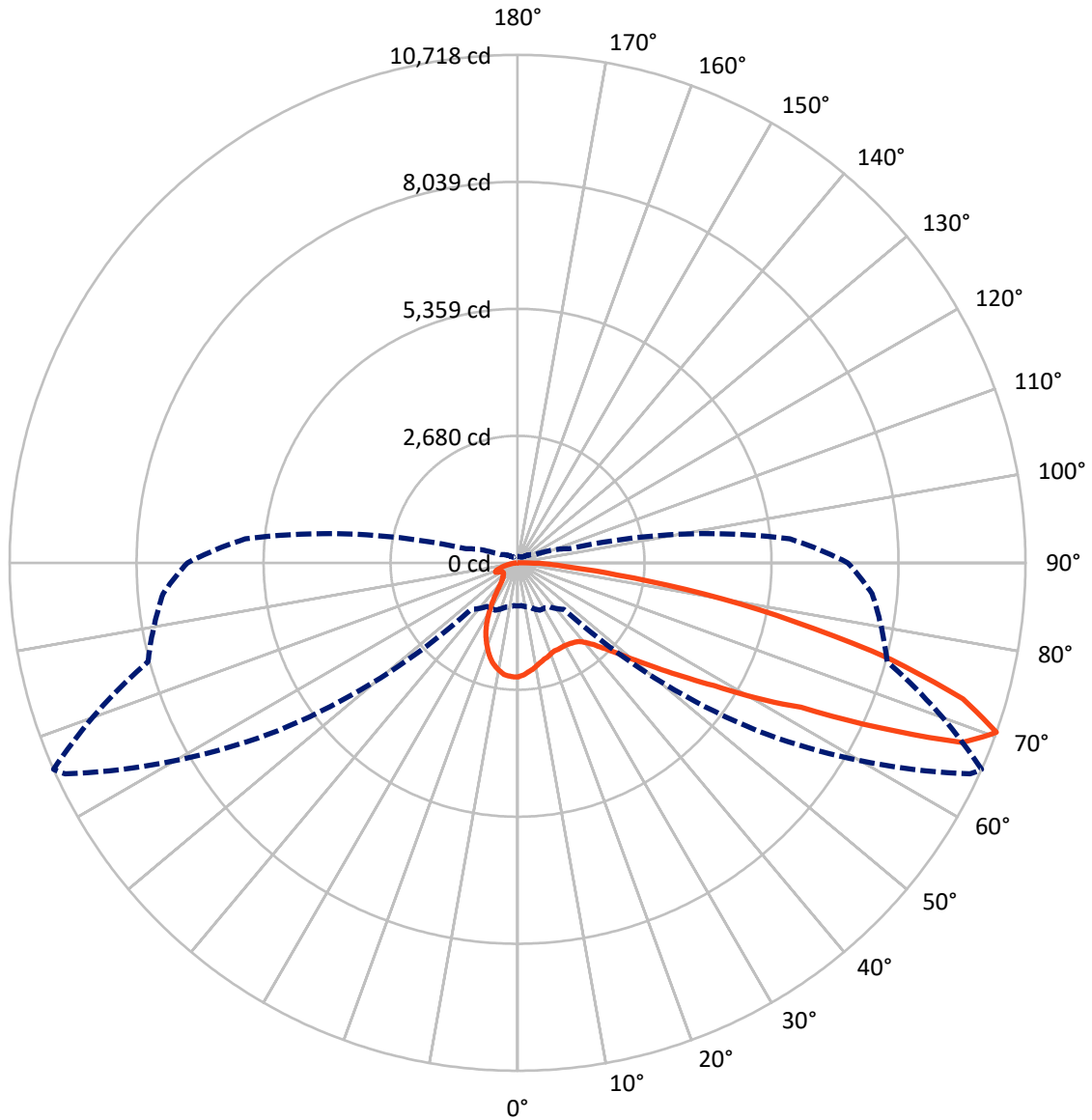
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 10.7 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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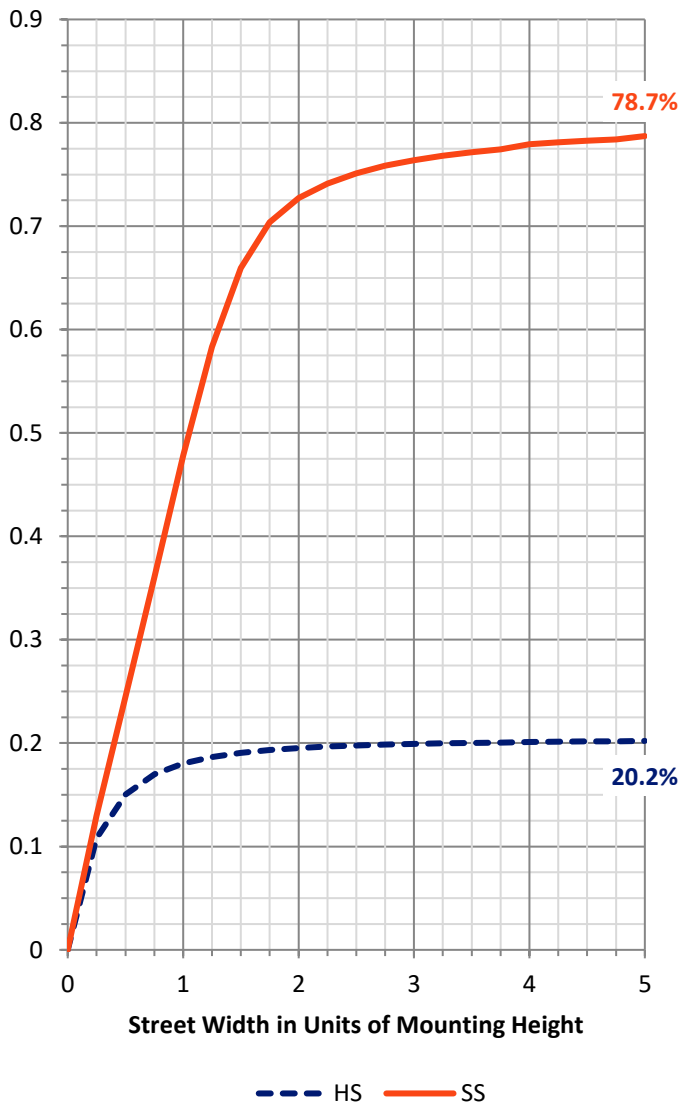
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2228.3	0.0	2228.3
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	8658.2	0.0	8658.2
	% Fixture	79.5	0.0	79.5
Total	Lumens	10886.6	0.0	10886.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	212.7	2.0
10°-20°	523.5	4.8
20°-30°	719.0	6.6
30°-40°	964.0	8.9
40°-50°	1398.7	12.8
50°-60°	2126.0	19.5
60°-70°	2625.8	24.1
70°-80°	1952.6	17.9
80°-90°	364.2	3.3
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°	10886.6	100.0
0°-180°	10886.6	100.0

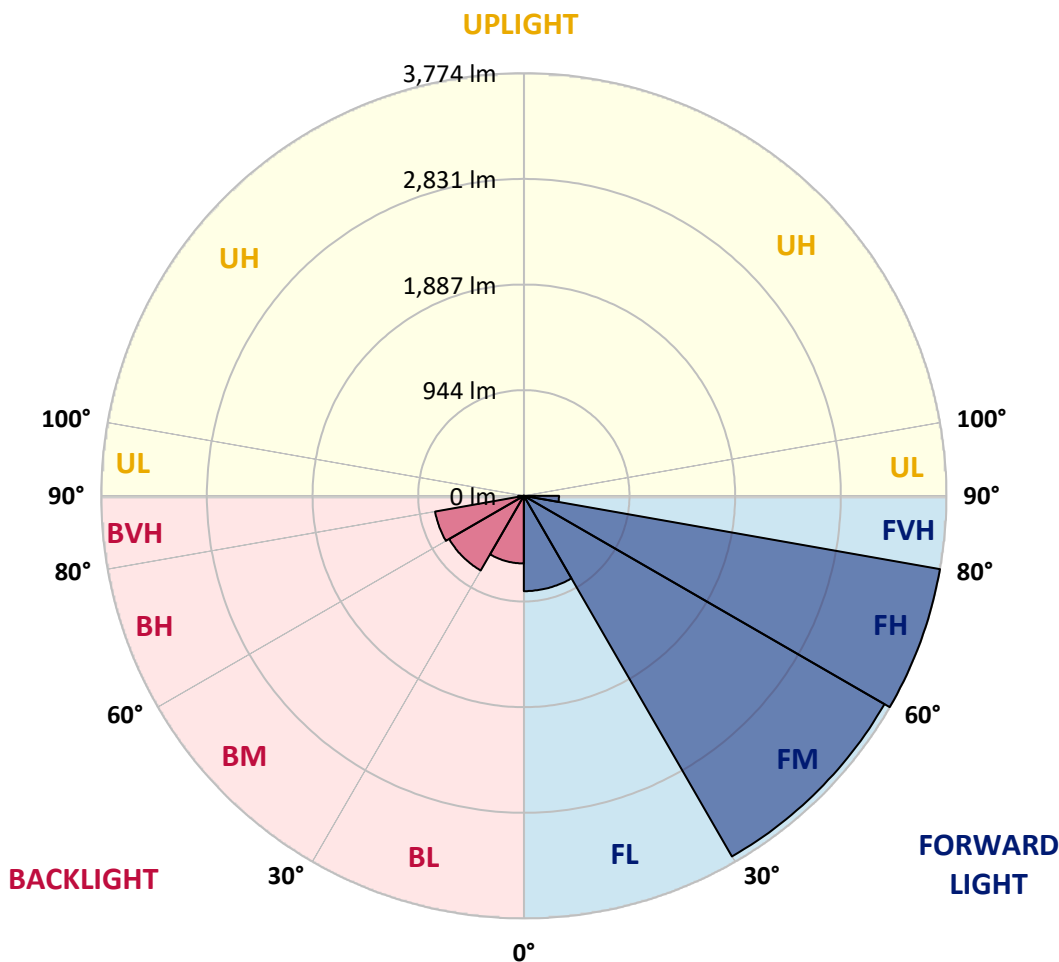


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	851.3	7.8			
FM	(30°-60°)	3719.0	34.2			
FH	(60°-80°)	3774.0	34.7			G2/5000
FVH	(80°-90°)	313.9	2.9			G3/500
BL	(0°-30°)	603.9	5.5	B2/1000		
BM	(30°-60°)	769.7	7.1	B1/1000		
BH	(60°-80°)	804.4	7.4	B2/1000		G2/1000
BVH	(80°-90°)	50.3	0.5			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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	2405.2	2405.2	2405.2	2405.2	2405.2	2405.2	2405.2	2405.2	2405.2	2405.2	2405.2
2.5°	2287.8	2299.9	2304.0	2312.1	2332.3	2348.5	2372.8	2384.9	2372.8	2389.0	2389.0
5°	2129.8	2113.6	2154.1	2170.3	2194.6	2227.0	2283.7	2328.2	2316.1	2364.7	2405.2
7.5°	1996.2	1996.2	2008.4	2044.8	2073.2	2121.7	2182.5	2251.3	2271.6	2336.3	2397.1
10°	1874.7	1890.9	1890.9	1947.6	1963.8	2020.5	2121.7	2206.8	2210.8	2320.1	2405.2
12.5°	1810.0	1801.9	1842.4	1858.5	1907.1	1963.8	2044.8	2150.1	2154.1	2271.6	2389.0
15°	1757.3	1765.4	1785.7	1826.2	1870.7	1915.2	1992.2	2089.3	2109.6	2247.3	2380.9
17.5°	1761.4	1765.4	1765.4	1793.8	1830.2	1882.8	1955.7	2069.1	2081.3	2214.9	2368.7
20°	1785.7	1769.5	1781.6	1793.8	1818.1	1866.6	1927.4	2024.6	2036.7	2210.8	2397.1
22.5°	1838.3	1826.2	1822.1	1818.1	1814.0	1842.4	1919.3	2000.3	2012.4	2190.6	2409.2
25°	1923.3	1919.3	1890.9	1862.6	1842.4	1842.4	1903.1	2020.5	2016.5	2190.6	2417.3
27.5°	2024.6	2024.6	2020.5	1967.9	1907.1	1874.7	1915.2	2012.4	2008.4	2190.6	2437.6
30°	2162.2	2162.2	2150.1	2101.5	1992.2	1899.0	1923.3	2004.3	2016.5	2174.4	2421.4
32.5°	2312.1	2308.0	2320.1	2275.6	2162.2	2012.4	1971.9	2020.5	2032.7	2190.6	2425.4
35°	2421.4	2445.7	2486.2	2445.7	2332.3	2129.8	2040.8	2052.9	2061.0	2194.6	2441.6
37.5°	2546.9	2575.2	2631.9	2664.3	2542.9	2308.0	2150.1	2105.5	2105.5	2247.3	2445.7
40°	2729.1	2700.8	2797.9	2854.6	2806.0	2526.7	2320.1	2202.7	2206.8	2316.1	2498.3
42.5°	2862.7	2891.1	2992.3	3093.5	3032.8	2793.9	2506.4	2360.6	2360.6	2417.3	2579.3
45°	3012.5	3044.9	3186.7	3308.1	3352.7	3113.8	2761.5	2587.4	2579.3	2615.7	2725.1
47.5°	3178.6	3223.1	3385.1	3526.8	3644.2	3445.8	3089.5	2862.7	2858.7	2887.0	2968.0
50°	3368.9	3385.1	3518.7	3777.8	4012.7	3887.2	3490.3	3251.4	3231.2	3243.3	3352.7
52.5°	3425.6	3413.4	3567.3	3846.7	4275.9	4425.7	4037.0	3692.8	3684.7	3656.4	3798.1
55°	3219.1	3259.5	3409.4	3765.7	4490.5	5061.4	4636.2	4296.1	4223.2	4146.3	4316.4
57.5°	2806.0	2810.1	2980.2	3401.3	4324.5	5587.8	5652.6	4887.3	4891.3	4684.8	4879.2
60°	2182.5	2170.3	2304.0	2684.6	3850.7	5749.8	6762.0	5830.7	5790.2	5223.4	5401.5
62.5°	1575.1	1550.8	1579.2	1801.9	2878.9	5502.8	7851.3	6887.6	6717.5	5774.1	5911.7
65°	1295.7	1307.9	1320.0	1332.2	1615.6	4539.1	8187.3	8612.5	8385.7	6417.9	6474.6
67.5°	1073.0	1081.1	1133.8	1206.6	1198.5	2680.5	7798.6	10207.8	10122.8	7215.5	6960.4
70°	911.1	907.0	967.7	1101.4	1121.6	1392.9	6174.9	10535.8	10718.0	8074.0	7511.1
72.5°	728.8	736.9	789.6	967.7	1101.4	1174.2	3555.1	9831.3	9827.2	8734.0	7215.5
75°	522.3	522.3	595.2	801.7	1064.9	1162.1	1967.9	7980.8	8130.6	8207.6	6259.9
77.5°	344.2	360.4	417.1	599.3	1000.1	1137.8	1247.1	5802.4	5988.7	6138.5	4790.1
80°	234.8	242.9	279.4	417.1	846.3	1145.9	1020.4	3903.4	3976.2	3389.1	1943.6
82.5°	141.7	145.8	186.3	291.5	607.4	1089.2	959.6	2154.1	2109.6	1024.4	558.8
85°	76.9	81.0	117.4	194.4	400.9	951.5	943.4	1056.8	983.9	376.6	234.8
87.5°	28.3	28.3	52.6	97.2	230.8	651.9	822.0	627.6	587.1	190.3	109.3
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°	2405.2	2405.2	2405.2	2405.2	2405.2	2405.2	2405.2	2405.2	2405.2	2405.2	2405.2
2.5°	2409.2	2409.2	2409.2	2409.2	2405.2	2389.0	2401.1	2397.1	2372.8	2376.8	2360.6
5°	2401.1	2421.4	2409.2	2393.0	2372.8	2324.2	2308.0	2295.9	2263.5	2251.3	2263.5
7.5°	2421.4	2405.2	2397.1	2368.7	2287.8	2243.2	2186.5	2117.7	2069.1	2057.0	2069.1
10°	2417.3	2417.3	2380.9	2299.9	2223.0	2093.4	2020.5	1899.0	1830.2	1810.0	1814.0
12.5°	2401.1	2413.3	2356.6	2227.0	2081.3	1923.3	1789.7	1660.1	1538.7	1490.1	1482.0
15°	2417.3	2405.2	2304.0	2137.9	1935.5	1716.8	1522.5	1332.2	1218.8	1145.9	1129.7
17.5°	2393.0	2380.9	2235.1	2016.5	1745.2	1465.8	1222.8	1016.3	903.0	874.6	874.6
20°	2421.4	2344.4	2154.1	1870.7	1546.8	1190.4	915.1	761.2	732.9	732.9	741.0
22.5°	2417.3	2336.3	2085.3	1729.0	1307.9	898.9	680.3	635.7	639.8	672.2	668.1
25°	2393.0	2320.1	1988.1	1571.1	1056.8	676.2	562.8	550.7	579.0	615.5	611.4
27.5°	2389.0	2275.6	1899.0	1384.8	805.8	534.5	489.9	489.9	518.3	550.7	546.6
30°	2364.7	2239.2	1789.7	1174.2	607.4	465.6	449.5	449.5	461.6	477.8	477.8
32.5°	2360.6	2190.6	1668.2	955.6	485.9	421.1	413.0	417.1	417.1	425.2	421.1
35°	2328.2	2125.8	1542.7	741.0	421.1	396.8	388.7	384.7	384.7	380.6	380.6
37.5°	2316.1	2085.3	1413.1	575.0	392.8	376.6	368.5	356.3	352.3	352.3	348.2
40°	2328.2	2044.8	1287.6	465.6	368.5	360.4	348.2	332.0	328.0	328.0	328.0
42.5°	2372.8	2040.8	1158.0	404.9	356.3	344.2	328.0	311.8	307.7	311.8	307.7
45°	2474.0	2073.2	1032.5	376.6	340.1	328.0	307.7	295.6	291.5	295.6	295.6
47.5°	2640.0	2162.2	919.2	360.4	328.0	311.8	291.5	279.4	279.4	279.4	279.4
50°	2915.4	2332.3	809.8	348.2	319.9	299.6	279.4	263.2	259.1	259.1	263.2
52.5°	3328.4	2623.8	720.7	340.1	307.7	283.4	263.2	251.0	242.9	238.9	242.9
55°	3826.4	3049.0	692.4	332.0	291.5	271.3	251.0	234.8	226.8	226.8	222.7
57.5°	4360.9	3518.7	741.0	323.9	279.4	255.1	234.8	218.7	210.6	206.5	206.5
60°	4939.9	4073.4	919.2	319.9	267.2	238.9	218.7	206.5	194.4	190.3	190.3
62.5°	5466.3	4575.5	1239.0	315.8	259.1	222.7	202.5	186.3	178.2	174.1	174.1
65°	6065.6	5134.3	1550.8	332.0	255.1	210.6	186.3	170.1	162.0	157.9	157.9
67.5°	6587.9	5620.2	1733.0	372.5	267.2	194.4	166.0	153.9	149.8	145.8	145.8
70°	6968.5	5770.0	1162.1	409.0	287.5	182.2	149.8	141.7	133.6	133.6	133.6
72.5°	6458.4	5150.5	688.4	384.7	271.3	170.1	133.6	125.5	121.5	121.5	117.4
75°	5523.0	4385.2	530.4	311.8	218.7	145.8	117.4	109.3	105.3	105.3	101.2
77.5°	4077.5	3142.1	392.8	247.0	170.1	117.4	101.2	97.2	93.1	89.1	89.1
80°	1595.4	1376.7	267.2	182.2	125.5	93.1	85.0	81.0	76.9	72.9	72.9
82.5°	494.0	417.1	153.9	121.5	89.1	72.9	68.8	64.8	60.7	56.7	56.7
85°	214.6	206.5	101.2	76.9	60.7	48.6	48.6	44.5	40.5	36.4	36.4
87.5°	105.3	101.2	56.7	36.4	32.4	24.3	24.3	20.2	16.2	16.2	16.2
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)