

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: P675708

Luminaire Tested: **CCW-SA-2E-740-U-SL4**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675708
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-SL4
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/
SL4 distribution lens
Light Source: (32) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

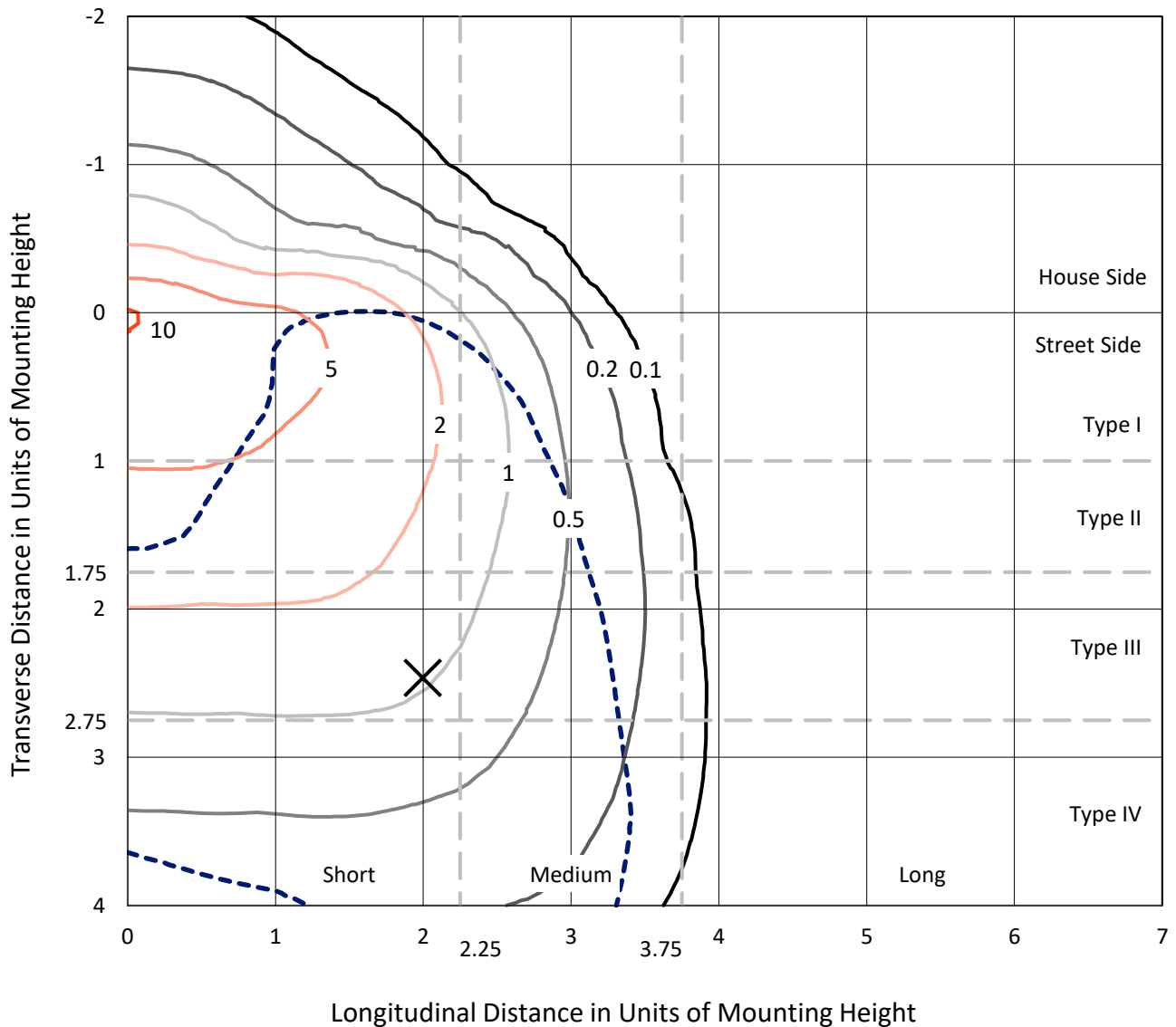
Lumens per Lamp: N/A
Luminaire Lumens: 13398.5 lumens
Efficiency: N/A
Efficacy: 125.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

Input Watts (W): 106.6
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

REPORT NUMBER: P675708
 CATALOG NUMBER: CCW-SA-2E-740-U-SL4

Iso-Footcandle Lines of Horizontal Illumination

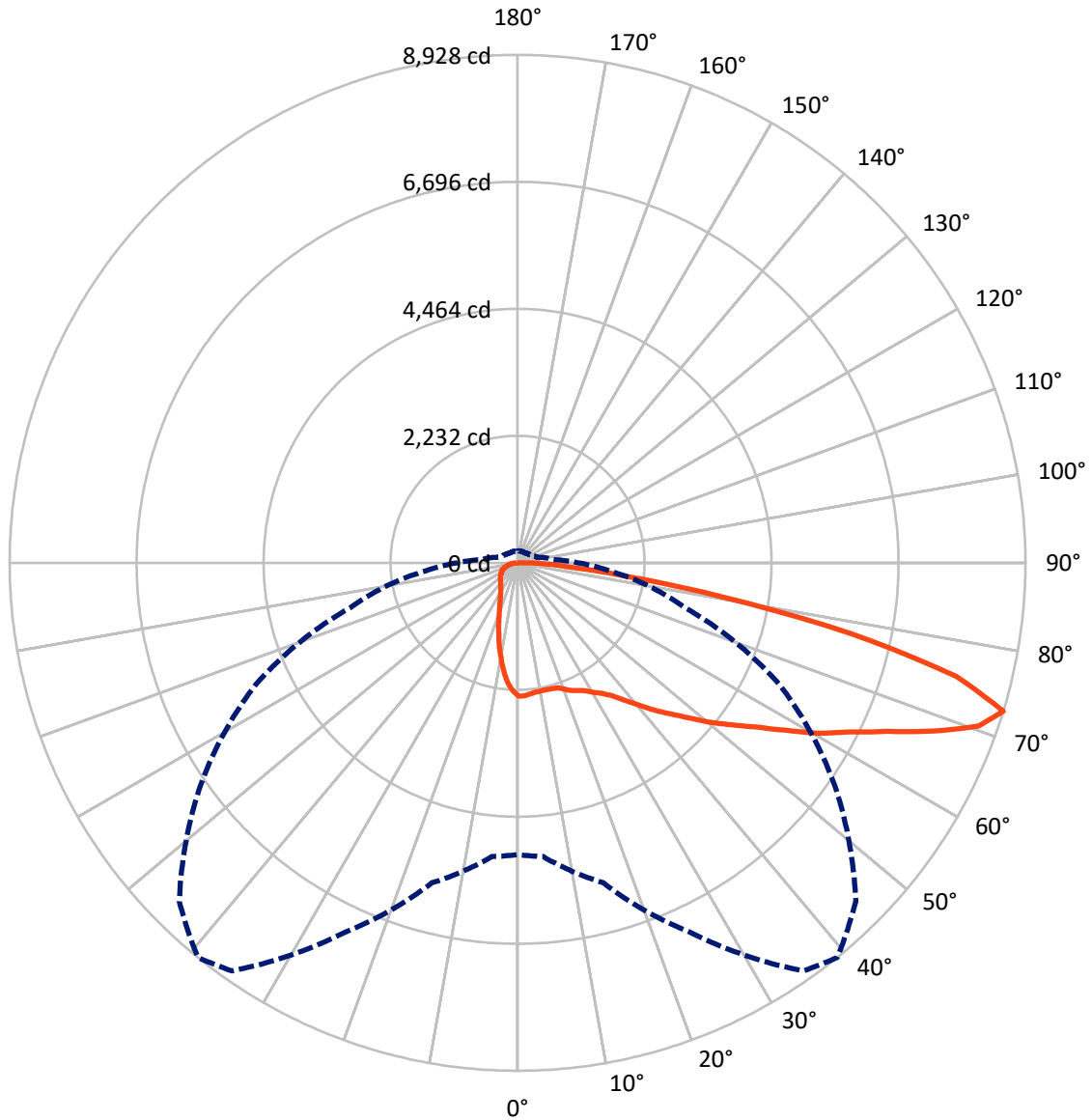
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 10.4 fc
 Type IV - Short - N/A

REPORT NUMBER: P675708
CATALOG NUMBER: CCW-SA-2E-740-U-SL4

Luminous Intensity Polar Plot



— Vertical Plane Through 39-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P675708
 CATALOG NUMBER: CCW-SA-2E-740-U-SL4

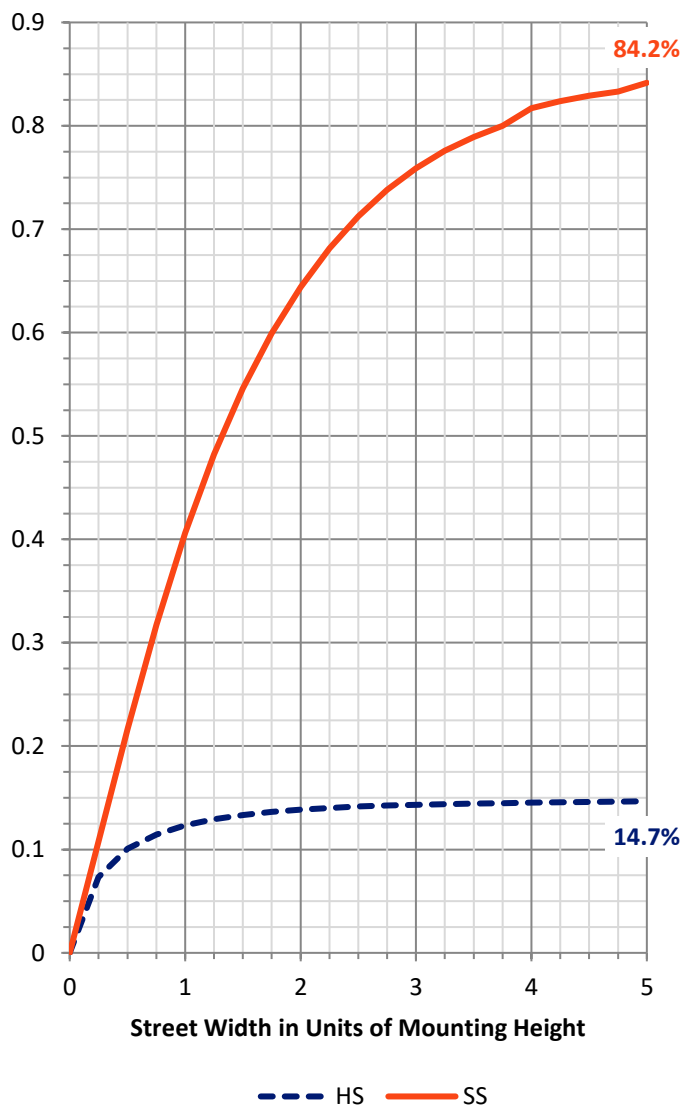
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1991.3	0.0	1991.3
	% Fixture	14.9	0.0	14.9
Street Side	Lumens	11407.2	0.0	11407.2
	% Fixture	85.1	0.0	85.1
Total	Lumens	13398.5	0.0	13398.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	207.2	1.5
10°-20°	528.9	3.9
20°-30°	805.8	6.0
30°-40°	1178.8	8.8
40°-50°	1804.7	13.5
50°-60°	2646.9	19.8
60°-70°	3375.7	25.2
70°-80°	2439.0	18.2
80°-90°	411.4	3.1
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°	13398.5	100.0
0°-180°	13398.5	100.0

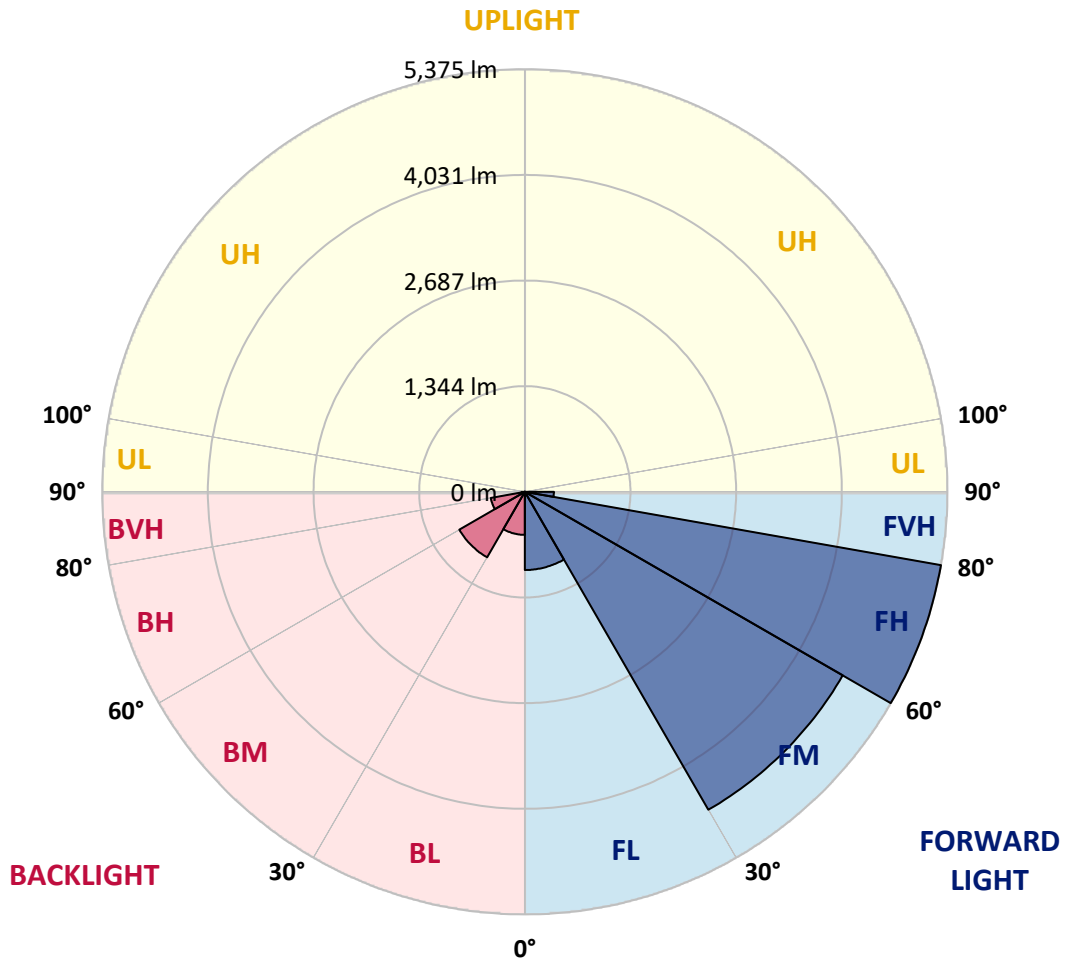


REPORT NUMBER: P675708
 CATALOG NUMBER: CCW-SA-2E-740-U-SL4

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	994.4	7.4			
FM (30°-60°)	4668.4	34.8			
FH (60°-80°)	5374.7	40.1			G3/7500
FVH (80°-90°)	369.7	2.8			G3/500
BL (0°-30°)	547.6	4.1	B2/1000		
BM (30°-60°)	962.0	7.2	B1/1000		
BH (60°-80°)	440.0	3.3	B1/500		G1/500
BVH (80°-90°)	41.7	0.3			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





REPORT NUMBER: P675708

CATALOG NUMBER: CCW-SA-2E-740-U-SL4

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	2345.3	2345.3	2345.3	2345.3	2345.3	2345.3	2345.3	2345.3	2345.3	2345.3	2345.3
2.5°	2380.6	2385.6	2375.5	2365.5	2360.4	2340.3	2360.4	2350.4	2340.3	2340.3	2340.3
5°	2350.4	2355.4	2355.4	2345.3	2350.4	2315.1	2310.1	2315.1	2300.0	2290.0	2284.9
7.5°	2305.1	2315.1	2335.3	2330.2	2310.1	2295.0	2300.0	2295.0	2269.8	2254.7	2214.5
10°	2269.8	2279.9	2290.0	2300.0	2295.0	2290.0	2284.9	2264.8	2259.8	2224.5	2184.3
12.5°	2234.6	2234.6	2239.6	2279.9	2284.9	2284.9	2254.7	2254.7	2239.6	2234.6	2174.2
15°	2199.4	2214.5	2254.7	2264.8	2284.9	2295.0	2279.9	2279.9	2254.7	2219.5	2174.2
17.5°	2209.4	2234.6	2274.9	2300.0	2310.1	2310.1	2330.2	2315.1	2279.9	2259.8	2214.5
20°	2259.8	2264.8	2315.1	2360.4	2370.5	2370.5	2350.4	2335.3	2310.1	2274.9	2214.5
22.5°	2290.0	2325.2	2385.6	2410.8	2441.0	2441.0	2415.8	2380.6	2345.3	2310.1	2244.7
25°	2420.8	2425.9	2451.0	2491.3	2506.4	2486.3	2461.1	2420.8	2375.5	2340.3	2279.9
27.5°	2511.4	2536.6	2566.8	2586.9	2561.7	2546.6	2526.5	2481.2	2446.0	2415.8	2330.2
30°	2677.5	2647.3	2667.4	2677.5	2632.2	2642.3	2586.9	2546.6	2506.4	2506.4	2410.8
32.5°	2778.2	2803.3	2783.2	2778.2	2742.9	2737.9	2702.7	2657.4	2632.2	2662.4	2531.6
35°	2954.3	2939.2	2939.2	2934.2	2893.9	2868.8	2868.8	2788.2	2813.4	2878.8	2717.8
37.5°	3044.9	3039.9	3070.1	3095.2	3055.0	3070.1	3055.0	3019.7	3029.8	3145.6	2949.3
40°	3135.5	3170.7	3231.1	3241.2	3266.4	3286.5	3276.4	3271.4	3311.7	3497.9	3261.3
42.5°	3221.1	3251.3	3341.8	3422.4	3482.8	3548.2	3553.2	3553.2	3684.1	3950.8	3638.8
45°	3331.8	3356.9	3482.8	3643.8	3744.5	3789.8	3830.0	3875.3	4051.5	4368.6	4041.4
47.5°	3482.8	3502.9	3653.9	3855.2	4051.5	4076.7	4157.2	4207.5	4474.3	4796.4	4454.1
50°	3699.2	3684.1	3804.9	4096.8	4288.0	4408.8	4524.6	4615.2	4876.9	5229.2	4776.2
52.5°	3875.3	3875.3	3965.9	4353.5	4615.2	4730.9	4851.7	4977.5	5279.5	5662.0	5037.9
55°	4177.3	4147.1	4202.5	4605.1	4982.6	5093.3	5324.8	5430.5	5722.4	5984.1	5259.4
57.5°	4383.7	4398.8	4464.2	4937.3	5415.4	5551.3	5782.8	5858.3	6115.0	6321.3	5420.4
60°	4655.4	4605.1	4746.0	5304.7	5893.5	6084.8	6276.0	6321.3	6512.6	6537.7	5495.9
62.5°	4917.1	4907.1	5027.9	5672.1	6406.9	6542.8	6739.1	6789.4	6869.9	6708.9	5390.2
65°	5078.2	5143.6	5370.1	6074.7	6990.7	7141.7	7338.0	7237.3	7146.7	6557.9	4871.9
67.5°	5299.6	5329.8	5677.1	6512.6	7665.1	7891.6	8062.7	7665.1	6990.7	5938.8	4101.8
70°	5350.0	5430.5	5883.5	6970.6	8359.7	8591.2	8601.2	7519.2	6422.0	4831.6	2974.4
72.5°	5128.5	5183.9	5823.1	7161.8	8757.3	8928.4	8410.0	6799.5	5088.3	3044.9	1620.6
75°	4313.2	4469.2	5068.1	6573.0	8027.5	7962.1	7126.6	5188.9	3055.0	1348.8	684.5
77.5°	3004.6	3009.7	3633.8	4781.3	6009.3	5994.2	5083.2	3009.7	1308.6	543.6	402.6
80°	1333.7	1429.3	1806.8	2576.8	3648.9	3648.9	2964.4	1494.8	654.3	352.3	276.8
82.5°	785.1	815.3	966.3	1202.9	1776.6	1872.2	1419.3	996.5	447.9	221.4	171.1
85°	578.8	629.1	719.7	724.7	840.5	855.6	785.1	865.7	307.0	120.8	140.9
87.5°	432.8	463.0	573.8	478.1	447.9	422.8	483.2	885.8	115.8	60.4	45.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P675708

CATALOG NUMBER: CCW-SA-2E-740-U-SL4

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2345.3	2345.3	2345.3	2345.3	2345.3	2345.3	2345.3	2345.3	2345.3	2345.3	2345.3
2.5°	2320.2	2320.2	2310.1	2290.0	2290.0	2249.7	2259.8	2269.8	2244.7	2244.7	2249.7
5°	2284.9	2264.8	2239.6	2209.4	2189.3	2134.0	2123.9	2088.7	2083.6	2073.6	2058.5
7.5°	2214.5	2184.3	2139.0	2093.7	2028.3	1977.9	1917.5	1867.2	1847.1	1832.0	1826.9
10°	2149.0	2144.0	2068.5	1977.9	1877.3	1781.6	1691.1	1625.6	1585.4	1560.2	1555.2
12.5°	2149.0	2108.8	2003.1	1877.3	1731.3	1590.4	1474.6	1384.0	1328.7	1288.4	1273.3
15°	2139.0	2098.7	1957.8	1766.5	1600.5	1409.2	1248.2	1152.5	1072.0	1031.7	1036.8
17.5°	2149.0	2088.7	1892.4	1686.0	1454.5	1248.2	1056.9	941.2	860.6	830.4	825.4
20°	2154.1	2078.6	1842.0	1575.3	1303.5	1072.0	890.8	780.1	719.7	699.6	699.6
22.5°	2144.0	2048.4	1766.5	1444.4	1172.7	926.1	775.1	679.4	639.2	614.0	624.1
25°	2189.3	2043.4	1696.1	1333.7	1021.7	805.3	689.5	619.0	593.9	578.8	583.8
27.5°	2199.4	2043.4	1640.7	1207.9	890.8	714.7	624.1	578.8	558.7	548.6	543.6
30°	2239.6	2053.4	1575.3	1082.1	785.1	644.2	573.8	548.6	533.5	528.5	528.5
32.5°	2350.4	2083.6	1504.8	976.4	694.5	583.8	538.5	518.4	508.3	503.3	508.3
35°	2481.2	2164.1	1429.3	865.7	629.1	543.6	508.3	493.2	488.2	488.2	488.2
37.5°	2682.5	2284.9	1363.9	775.1	573.8	503.3	478.1	473.1	468.1	473.1	473.1
40°	2914.1	2415.8	1303.5	704.6	533.5	478.1	453.0	453.0	447.9	453.0	458.0
42.5°	3180.8	2576.8	1243.1	634.1	498.3	458.0	437.9	432.8	427.8	437.9	442.9
45°	3548.2	2798.3	1202.9	593.9	473.1	437.9	417.7	417.7	412.7	412.7	422.8
47.5°	3855.2	3009.7	1202.9	553.6	458.0	422.8	402.6	402.6	392.6	397.6	397.6
50°	4111.9	3190.9	1228.0	543.6	437.9	407.7	392.6	382.5	377.5	377.5	377.5
52.5°	4283.0	3301.6	1248.2	533.5	427.8	387.5	377.5	372.4	362.4	357.3	362.4
55°	4454.1	3377.1	1253.2	533.5	412.7	367.4	357.3	357.3	347.3	342.2	342.2
57.5°	4519.5	3346.9	1182.7	523.4	402.6	352.3	342.2	337.2	332.2	327.1	327.1
60°	4489.4	3236.2	1026.7	498.3	392.6	342.2	322.1	322.1	322.1	312.0	317.1
62.5°	4283.0	2858.7	825.4	458.0	377.5	322.1	302.0	312.0	312.0	307.0	307.0
65°	3739.4	2360.4	669.4	422.8	357.3	307.0	286.9	302.0	307.0	302.0	296.9
67.5°	2989.5	1816.9	553.6	382.5	332.2	281.8	266.7	281.8	286.9	281.8	281.8
70°	2053.4	1172.7	447.9	342.2	296.9	256.7	241.6	251.6	251.6	256.7	256.7
72.5°	1061.9	634.1	367.4	291.9	256.7	231.5	216.4	216.4	211.4	211.4	211.4
75°	528.5	432.8	307.0	246.6	216.4	196.3	186.2	176.2	176.2	176.2	176.2
77.5°	367.4	332.2	251.6	196.3	176.2	161.1	161.1	146.0	146.0	146.0	146.0
80°	276.8	261.7	191.3	151.0	135.9	125.8	125.8	120.8	120.8	115.8	115.8
82.5°	196.3	211.4	146.0	110.7	100.7	95.6	95.6	90.6	90.6	80.5	80.5
85°	156.0	176.2	110.7	80.5	75.5	65.4	65.4	60.4	60.4	55.4	50.3
87.5°	45.3	95.6	45.3	30.2	30.2	30.2	30.2	25.2	25.2	20.1	20.1
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)