

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: P672264

Luminaire Tested: **CCP-SA-2E-740-U-T3R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672264
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2E-740-U-T3R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ T3R distribution lens
Light Source: (32) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

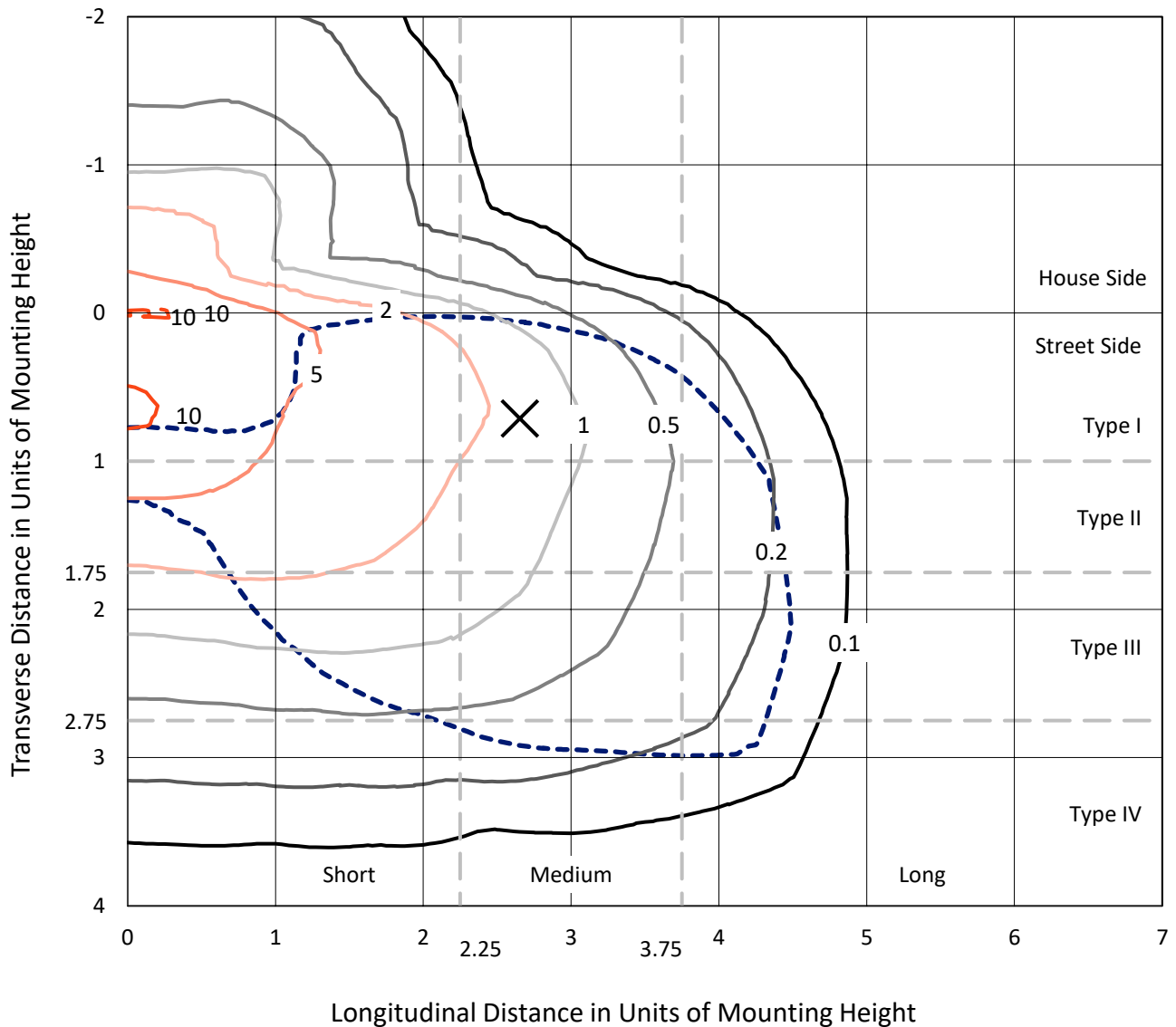
Lumens per Lamp: N/A
Luminaire Lumens: 13897 lumens
Efficiency: N/A
Efficacy: 130.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G3

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

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Iso-Footcandle Lines of Horizontal Illumination

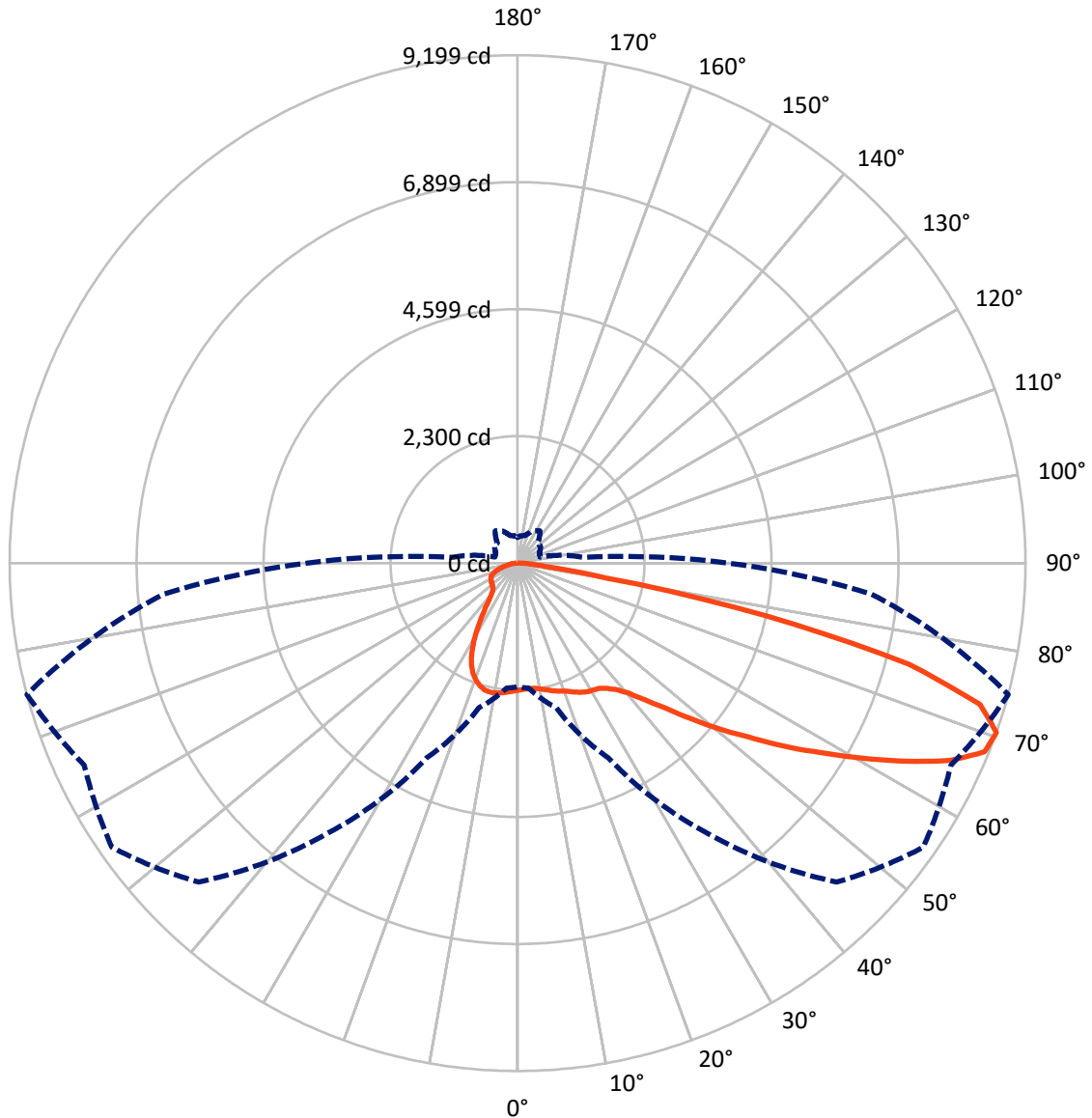
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 10.5 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical



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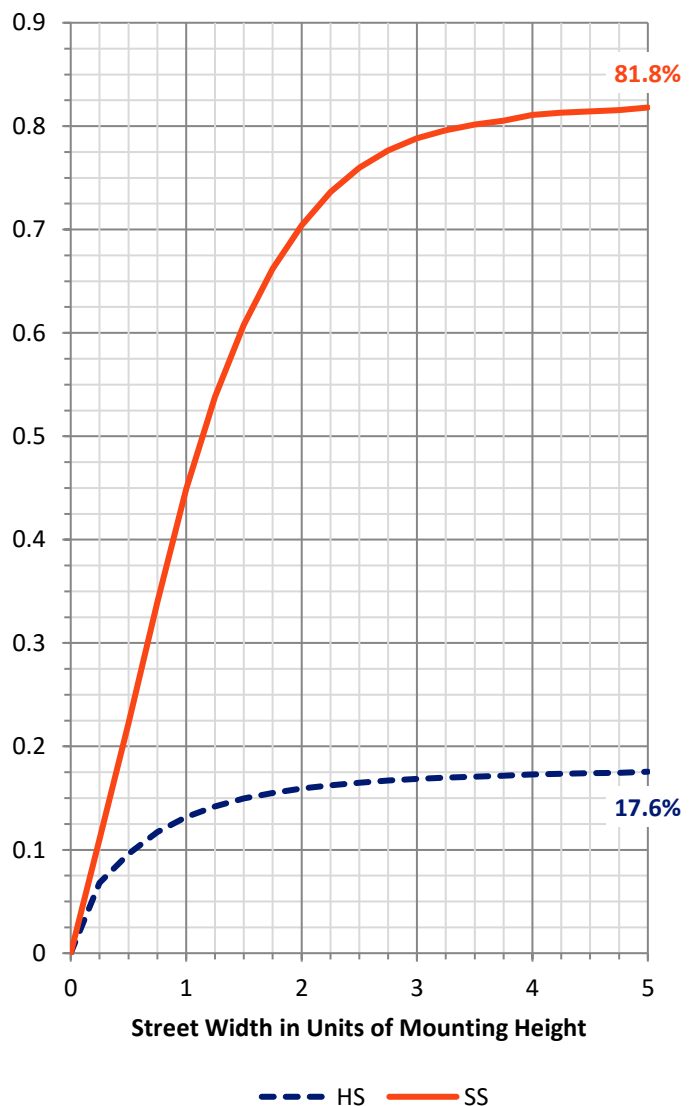
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2472.5	0.0	2472.5
	% Fixture	17.8	0.0	17.8
Street Side	Lumens	11424.5	0.0	11424.5
	% Fixture	82.2	0.0	82.2
Total	Lumens	13897.0	0.0	13897.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	206.7	1.5
10°-20°	551.9	4.0
20°-30°	929.8	6.7
30°-40°	1412.2	10.2
40°-50°	2023.2	14.6
50°-60°	2682.4	19.3
60°-70°	3356.8	24.2
70°-80°	2451.3	17.6
80°-90°	282.7	2.0
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°	13897.0	100.0
0°-180°	13897.0	100.0



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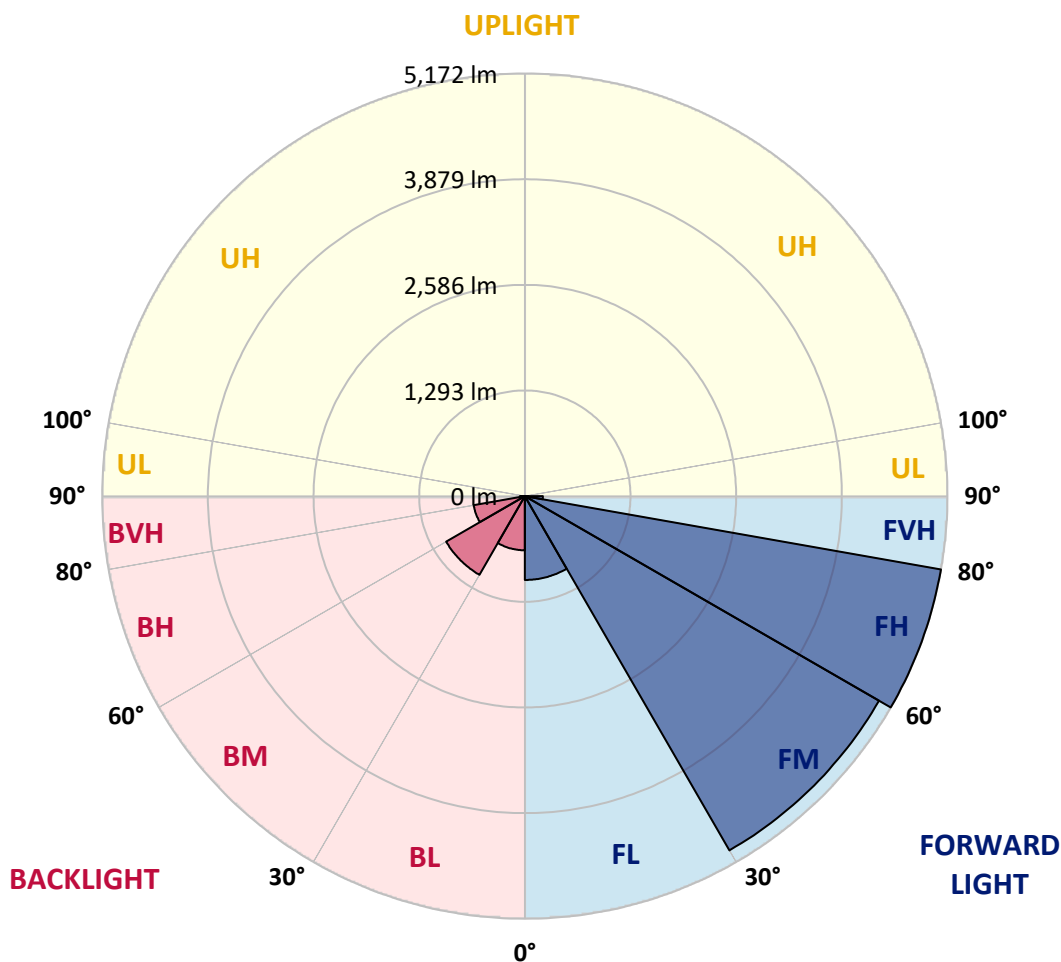
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1025.7	7.4			
FM (30°-60°)	5006.1	36.0			
FH (60°-80°)	5172.1	37.2			G3/7500
FVH (80°-90°)	220.6	1.6			G2/225
BL (0°-30°)	662.8	4.8	B2/1000		
BM (30°-60°)	1111.6	8.0	B2/2500		
BH (60°-80°)	636.0	4.6	B2/1000		G2/1000
BVH (80°-90°)	62.1	0.4			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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	2302.0	2302.0	2302.0	2302.0	2302.0	2302.0	2302.0	2302.0	2302.0	2302.0	2302.0
2.5°	2176.0	2188.0	2199.0	2210.0	2219.0	2243.0	2248.0	2274.0	2281.0	2287.0	2295.0
5°	2054.0	2063.0	2074.0	2092.0	2111.0	2154.0	2184.0	2241.0	2273.0	2283.0	2311.0
7.5°	1988.0	1991.0	2006.0	2021.0	2043.0	2085.0	2126.0	2215.0	2279.0	2290.0	2350.0
10°	1940.0	1944.0	1958.0	1979.0	2001.0	2040.0	2091.0	2197.0	2301.0	2318.0	2403.0
12.5°	1923.0	1921.0	1937.0	1951.0	1982.0	2031.0	2084.0	2198.0	2331.0	2355.0	2480.0
15°	1991.0	1978.0	1988.0	1983.0	1993.0	2041.0	2104.0	2220.0	2368.0	2398.0	2560.0
17.5°	2141.0	2130.0	2123.0	2080.0	2052.0	2079.0	2139.0	2251.0	2407.0	2439.0	2632.0
20°	2365.0	2334.0	2308.0	2236.0	2158.0	2149.0	2191.0	2282.0	2444.0	2475.0	2708.0
22.5°	2620.0	2595.0	2553.0	2427.0	2306.0	2246.0	2257.0	2339.0	2498.0	2532.0	2795.0
25°	2942.0	2941.0	2855.0	2685.0	2502.0	2381.0	2358.0	2430.0	2559.0	2592.0	2867.0
27.5°	3308.9	3283.9	3181.9	2963.0	2733.0	2548.0	2494.0	2523.0	2608.0	2642.0	2925.0
30°	3622.9	3625.9	3521.9	3282.9	2979.0	2711.0	2609.0	2590.0	2640.0	2674.0	2979.0
32.5°	3958.9	3941.9	3846.9	3600.9	3244.9	2886.0	2683.0	2638.0	2673.0	2705.0	3054.0
35°	4274.9	4255.9	4173.9	3908.9	3537.9	3079.0	2783.0	2713.0	2751.0	2786.0	3145.9
37.5°	4575.9	4578.9	4485.9	4232.9	3821.9	3306.9	2931.0	2826.0	2867.0	2906.0	3285.9
40°	4838.9	4823.9	4751.9	4523.9	4116.9	3538.9	3098.0	2980.0	3060.0	3096.0	3462.9
42.5°	4922.9	4921.9	4949.9	4809.9	4426.9	3814.9	3305.9	3219.9	3332.9	3386.9	3679.9
45°	4849.9	4871.9	5033.9	5029.9	4736.9	4131.9	3589.9	3511.9	3674.9	3735.9	3944.9
47.5°	4777.9	4810.9	5030.9	5155.9	5014.9	4480.9	3938.9	3880.9	4114.9	4202.9	4219.9
50°	4672.9	4703.9	4965.9	5173.9	5184.9	4833.9	4390.9	4317.9	4618.9	4708.9	4518.9
52.5°	4555.9	4579.9	4850.9	5160.9	5265.9	5109.9	4833.9	4812.9	5158.9	5231.9	4822.9
55°	3909.9	4011.9	4681.9	5132.9	5321.9	5320.9	5264.9	5333.9	5747.9	5856.9	5161.9
57.5°	3538.9	3592.9	4205.9	5116.9	5426.9	5515.9	5709.9	5857.9	6376.9	6474.9	5535.9
60°	3417.9	3465.9	3966.9	5097.9	5635.9	5820.9	6144.9	6384.9	7052.9	7172.9	5953.9
62.5°	3307.9	3365.9	3869.9	4946.9	5888.9	6303.9	6663.9	6954.9	7765.9	7907.9	6369.9
65°	3084.0	3124.9	3691.9	4819.9	6128.9	6992.9	7412.9	7582.9	8456.9	8616.9	6645.9
67.5°	2697.0	2736.0	3290.9	4527.9	6284.9	7709.9	8231.9	8232.9	8990.9	9121.9	6703.9
70°	2242.0	2272.0	2713.0	3891.9	5959.9	8169.9	8970.9	8657.9	9141.9	9198.9	6427.9
72.5°	1603.0	1629.0	1987.0	2877.0	4886.9	7796.9	9138.9	8639.9	8775.9	8757.9	5642.9
75°	988.0	1038.0	1217.0	1756.0	3037.0	6134.9	8224.9	7828.9	7368.9	7318.9	4248.9
77.5°	644.0	670.0	823.0	1036.0	1340.0	3521.9	6246.9	5869.9	4652.9	4594.9	2284.0
80°	387.0	430.0	539.0	651.0	607.0	1347.0	3566.9	2916.0	1644.0	1626.0	702.0
82.5°	208.0	247.0	380.0	403.0	341.0	476.0	1292.0	948.0	526.0	520.0	263.0
85°	165.0	184.0	273.0	255.0	193.0	241.0	504.0	395.0	270.0	264.0	99.0
87.5°	100.0	126.0	207.0	172.0	96.0	87.0	231.0	187.0	127.0	118.0	39.0
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°	2302.0	2302.0	2302.0	2302.0	2302.0	2302.0	2302.0	2302.0	2302.0	2302.0	2302.0
2.5°	2310.0	2315.0	2320.0	2310.0	2314.0	2309.0	2309.0	2309.0	2296.0	2292.0	2304.0
5°	2332.0	2339.0	2343.0	2312.0	2293.0	2265.0	2242.0	2207.0	2187.0	2174.0	2174.0
7.5°	2377.0	2385.0	2367.0	2298.0	2231.0	2156.0	2079.0	2015.0	1969.0	1949.0	1955.0
10°	2443.0	2446.0	2386.0	2259.0	2116.0	1977.0	1868.0	1783.0	1726.0	1697.0	1693.0
12.5°	2520.0	2507.0	2390.0	2173.0	1961.0	1774.0	1641.0	1531.0	1458.0	1430.0	1416.0
15°	2596.0	2565.0	2375.0	2070.0	1785.0	1560.0	1390.0	1286.0	1241.0	1228.0	1223.0
17.5°	2664.0	2606.0	2325.0	1922.0	1581.0	1310.0	1185.0	1148.0	1153.0	1165.0	1170.0
20°	2726.0	2637.0	2253.0	1746.0	1326.0	1115.0	1084.0	1118.0	1146.0	1164.0	1167.0
22.5°	2794.0	2667.0	2153.0	1532.0	1117.0	1025.0	1062.0	1101.0	1129.0	1147.0	1150.0
25°	2846.0	2666.0	2012.0	1278.0	985.0	1001.0	1045.0	1080.0	1101.0	1114.0	1113.0
27.5°	2879.0	2642.0	1827.0	1069.0	933.0	984.0	1026.0	1049.0	1061.0	1071.0	1070.0
30°	2889.0	2596.0	1594.0	915.0	909.0	968.0	1000.0	1014.0	1023.0	1033.0	1033.0
32.5°	2909.0	2525.0	1337.0	829.0	891.0	952.0	971.0	982.0	975.0	950.0	945.0
35°	2931.0	2446.0	1094.0	789.0	874.0	941.0	959.0	930.0	854.0	844.0	840.0
37.5°	2974.0	2373.0	888.0	761.0	870.0	947.0	962.0	846.0	782.0	751.0	746.0
40°	3047.0	2300.0	750.0	741.0	875.0	973.0	922.0	806.0	700.0	641.0	631.0
42.5°	3142.9	2211.0	672.0	731.0	889.0	1015.0	908.0	749.0	633.0	593.0	587.0
45°	3253.9	2093.0	635.0	729.0	906.0	1036.0	912.0	703.0	603.0	572.0	570.0
47.5°	3368.9	1977.0	619.0	727.0	927.0	1027.0	857.0	689.0	591.0	582.0	588.0
50°	3492.9	1845.0	606.0	722.0	944.0	1027.0	827.0	686.0	595.0	615.0	635.0
52.5°	3608.9	1734.0	591.0	707.0	951.0	1009.0	818.0	697.0	601.0	596.0	602.0
55°	3749.9	1677.0	583.0	686.0	938.0	954.0	807.0	727.0	606.0	565.0	565.0
57.5°	3910.9	1665.0	571.0	658.0	896.0	878.0	806.0	745.0	593.0	555.0	548.0
60°	4104.9	1691.0	556.0	623.0	845.0	819.0	799.0	745.0	572.0	538.0	541.0
62.5°	4261.9	1688.0	547.0	592.0	777.0	758.0	786.0	735.0	564.0	536.0	535.0
65°	4298.9	1624.0	521.0	552.0	693.0	684.0	772.0	710.0	553.0	525.0	517.0
67.5°	4173.9	1479.0	482.0	499.0	604.0	605.0	747.0	677.0	538.0	519.0	506.0
70°	3818.9	1196.0	424.0	435.0	508.0	521.0	710.0	638.0	513.0	493.0	462.0
72.5°	3195.9	860.0	357.0	360.0	404.0	438.0	646.0	585.0	476.0	429.0	396.0
75°	2366.0	571.0	291.0	287.0	303.0	356.0	552.0	526.0	428.0	356.0	339.0
77.5°	1251.0	338.0	224.0	225.0	215.0	273.0	438.0	457.0	380.0	300.0	283.0
80°	428.0	203.0	161.0	168.0	152.0	195.0	325.0	380.0	325.0	250.0	221.0
82.5°	196.0	124.0	115.0	120.0	109.0	132.0	223.0	288.0	259.0	182.0	147.0
85°	99.0	74.0	74.0	81.0	72.0	68.0	123.0	191.0	190.0	125.0	108.0
87.5°	41.0	36.0	34.0	39.0	34.0	26.0	35.0	69.0	100.0	75.0	48.0
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)