

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: P672120

Luminaire Tested: **CCP-SA-2E-740-U-T2R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672120
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-T2R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ T2R distribution lens
Light Source: (32) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

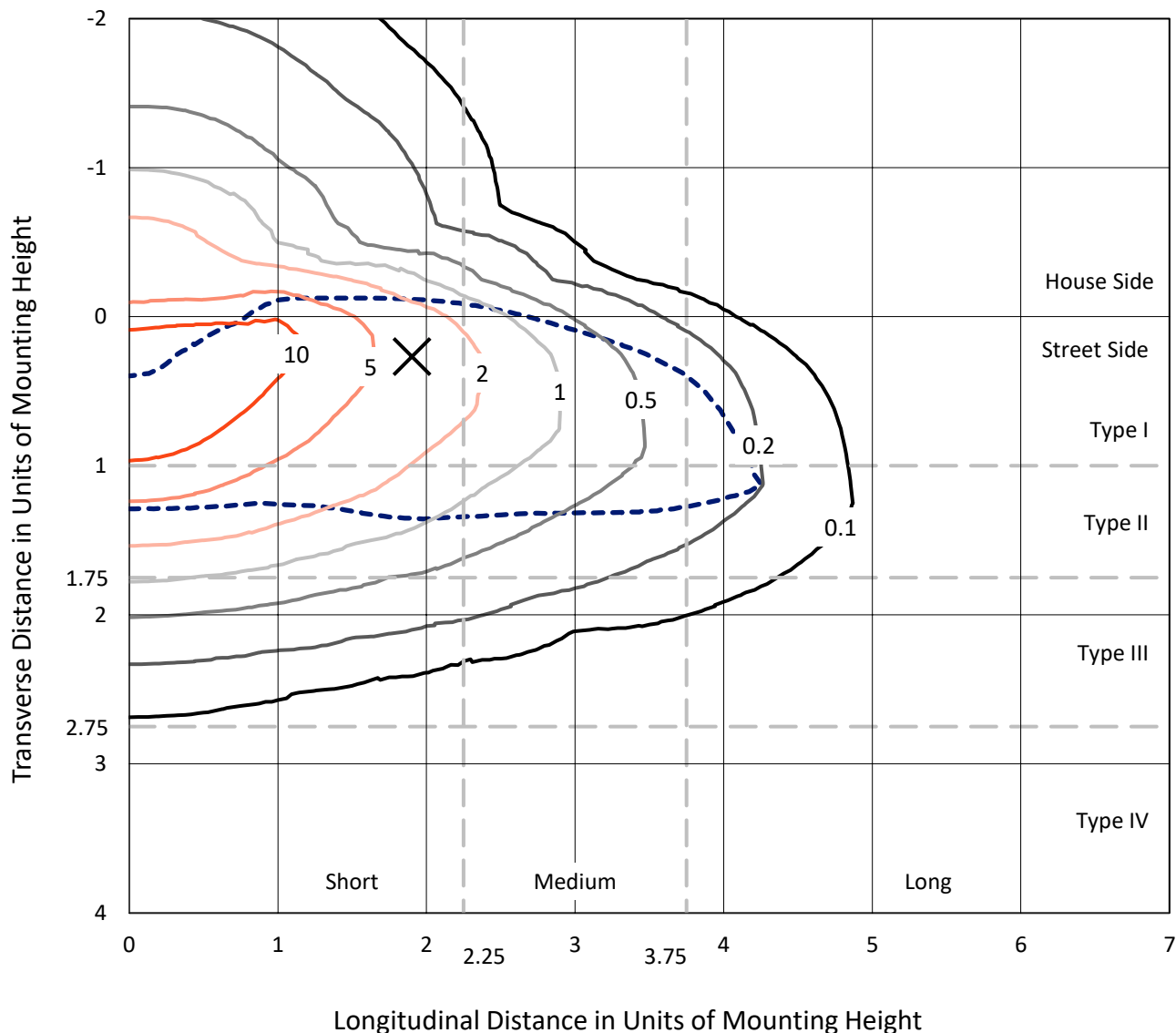
Lumens per Lamp: N/A
Luminaire Lumens: 13888.6 lumens
Efficiency: N/A
Efficacy: 130.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

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

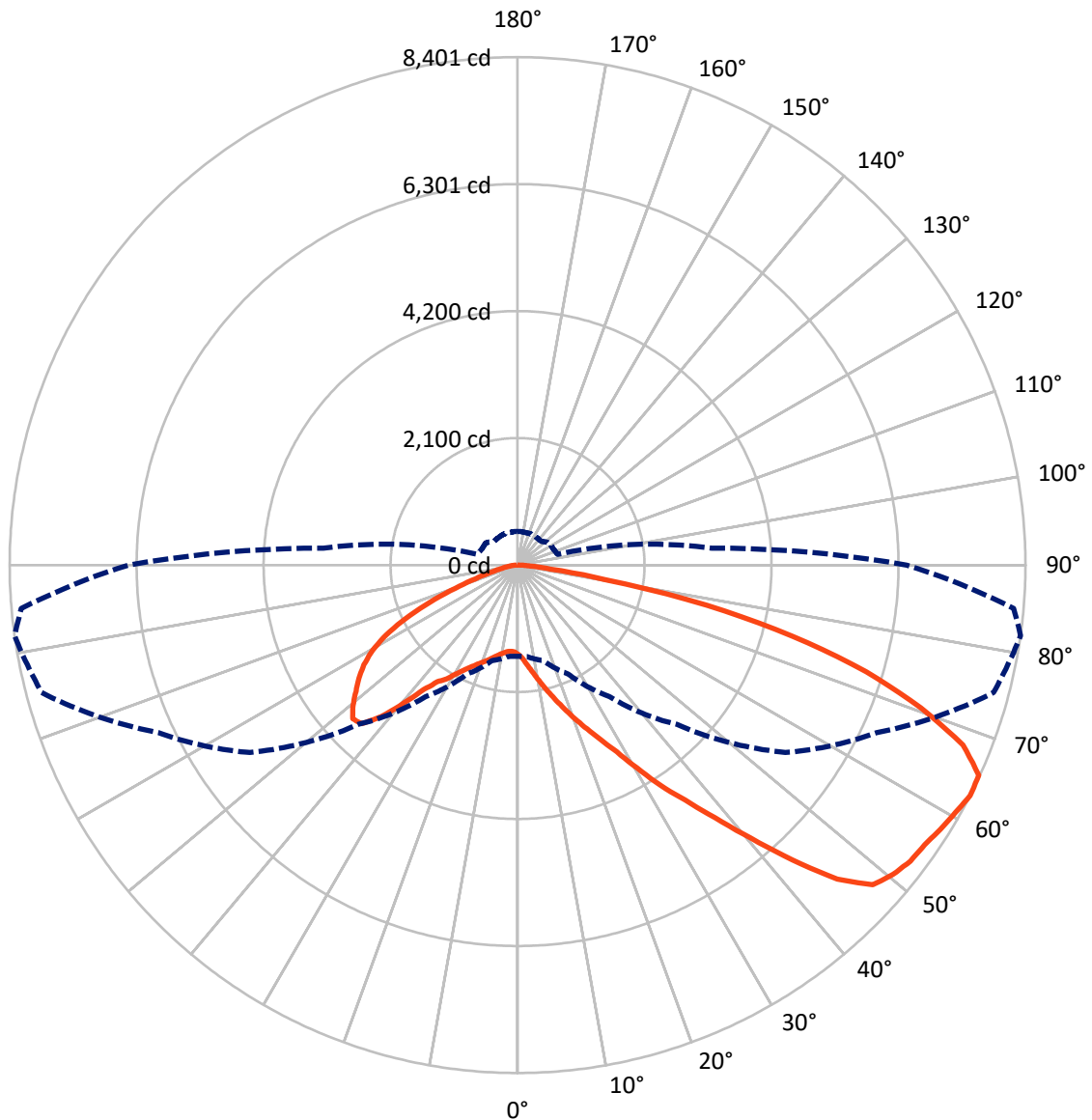
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 16.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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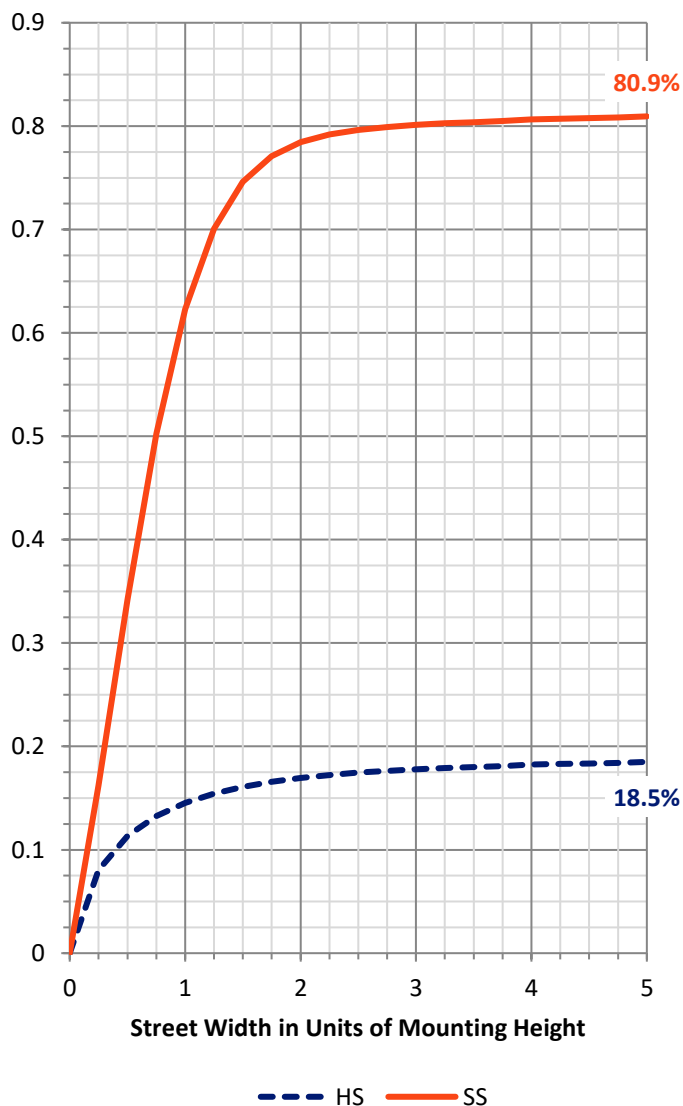
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2616.6	0.0	2616.6
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	11272.0	0.0	11272.0
	% Fixture	81.2	0.0	81.2
Total	Lumens	13888.6	0.0	13888.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.4	1.2
10°-20°	616.5	4.4
20°-30°	1276.6	9.2
30°-40°	2166.8	15.6
40°-50°	2950.7	21.2
50°-60°	2986.7	21.5
60°-70°	2353.9	16.9
70°-80°	1159.6	8.3
80°-90°	214.5	1.5
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°	13888.6	100.0
0°-180°	13888.6	100.0



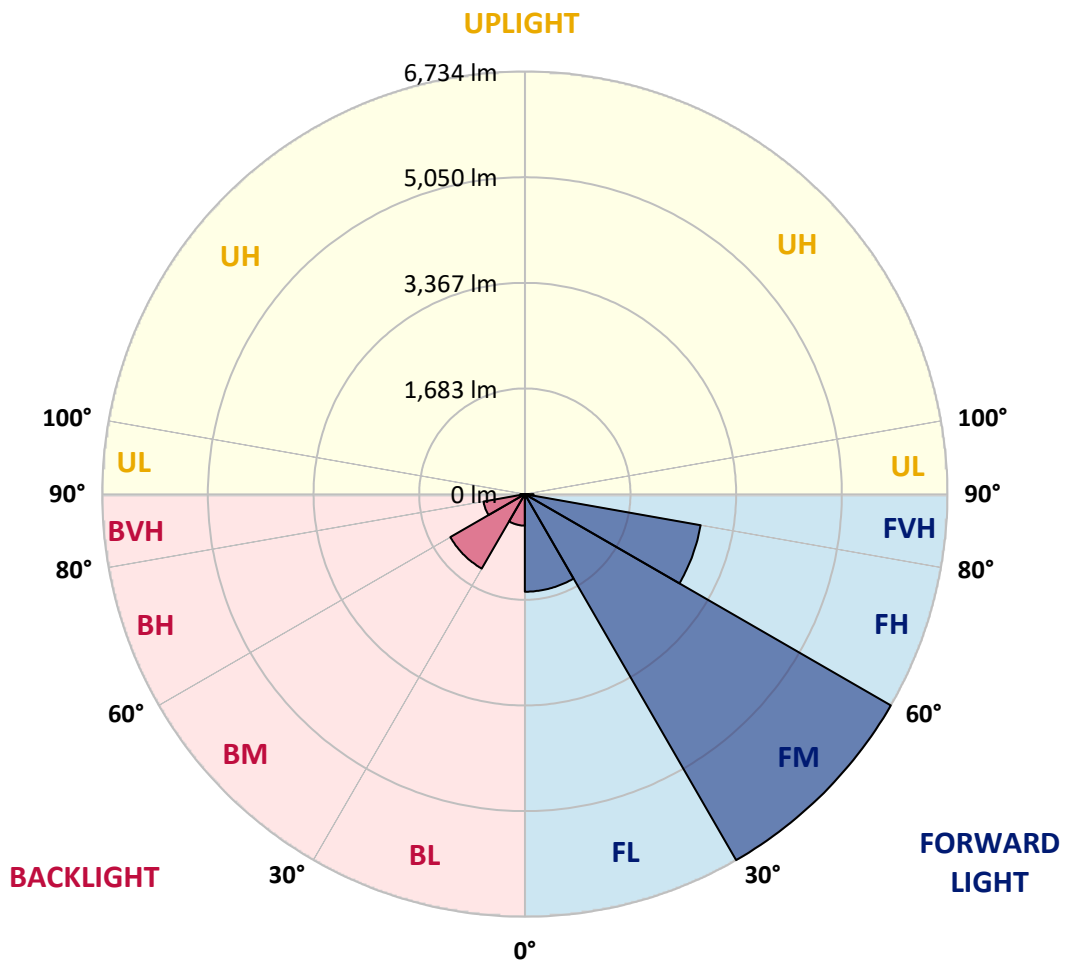
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1554.4	11.2			
FM (30°-60°)	6733.6	48.5			
FH (60°-80°)	2844.6	20.5			G2/5000
FVH (80°-90°)	139.4	1.0			G2/225
BL (0°-30°)	502.1	3.6	B2/1000		
BM (30°-60°)	1370.5	9.9	B2/2500		
BH (60°-80°)	668.9	4.8	B2/1000		G2/1000
BVH (80°-90°)	75.1	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-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	1477.0	1477.0	1477.0	1477.0	1477.0	1477.0	1477.0	1477.0	1477.0	1477.0	1477.0
2.5°	1966.9	1936.9	1920.9	1902.9	1852.9	1820.9	1760.9	1691.0	1610.0	1541.0	1528.0
5°	2381.9	2351.9	2355.9	2311.9	2238.9	2170.9	2058.9	1926.9	1772.9	1655.0	1614.0
7.5°	2674.9	2641.9	2649.9	2631.9	2572.9	2497.9	2355.9	2185.9	1960.9	1785.9	1719.9
10°	2870.9	2874.9	2880.9	2873.9	2835.9	2782.9	2641.9	2453.9	2173.9	1940.9	1850.9
12.5°	3092.9	3103.9	3101.9	3104.9	3084.9	3042.9	2904.9	2727.9	2400.9	2107.9	1990.9
15°	3375.9	3364.9	3373.9	3386.9	3364.9	3318.9	3196.9	2986.9	2638.9	2293.9	2148.9
17.5°	3685.9	3662.9	3686.9	3673.9	3657.9	3627.9	3493.9	3269.9	2884.9	2494.9	2324.9
20°	3953.9	3938.9	3951.9	3953.9	3956.9	3950.9	3812.9	3574.9	3142.9	2713.9	2514.9
22.5°	4254.9	4247.9	4245.9	4246.9	4249.9	4256.9	4162.9	3908.9	3428.9	2943.9	2719.9
25°	4675.9	4668.9	4622.9	4571.9	4541.9	4563.9	4514.9	4287.9	3744.9	3201.9	2944.9
27.5°	5147.8	5136.8	5075.9	4946.9	4850.9	4866.9	4861.9	4705.9	4108.9	3497.9	3214.9
30°	5637.8	5610.8	5526.8	5345.8	5194.8	5166.8	5180.8	5128.8	4566.9	3890.9	3590.9
32.5°	6074.8	6024.8	5913.8	5730.8	5550.8	5469.8	5471.8	5494.8	5064.9	4348.9	3984.9
35°	6341.8	6308.8	6225.8	6040.8	5839.8	5785.8	5770.8	5885.8	5521.8	4772.9	4337.9
37.5°	6485.8	6453.8	6364.8	6215.8	6063.8	6041.8	6069.8	6247.8	6040.8	5301.8	4817.9
40°	6459.8	6425.8	6367.8	6263.8	6163.8	6180.8	6304.8	6579.8	6607.8	5934.8	5501.8
42.5°	6245.8	6209.8	6204.8	6197.8	6150.8	6225.8	6449.8	6822.8	7128.8	6665.8	6329.8
45°	5867.8	5845.8	5871.8	5991.8	6050.8	6195.8	6517.8	6940.8	7586.8	7408.8	7112.8
47.5°	5388.8	5375.8	5434.8	5624.8	5815.8	6103.8	6562.8	6972.8	7901.8	7901.8	7625.8
50°	4852.9	4847.9	4925.9	5201.8	5500.8	5934.8	6557.8	7002.8	8039.8	8046.8	7806.8
52.5°	4104.9	4130.9	4338.9	4702.9	5108.9	5669.8	6487.8	7086.8	8117.8	8133.8	7927.8
55°	3242.9	3267.9	3581.9	4071.9	4591.9	5347.8	6278.8	7061.8	8132.8	8168.8	7996.8
57.5°	2588.9	2593.9	2789.9	3371.9	4015.9	4935.9	6037.8	6895.8	8088.8	8245.8	8102.8
60°	2025.9	2041.9	2172.9	2633.9	3347.9	4404.9	5768.8	6731.8	8113.8	8318.8	8198.8
62.5°	1509.0	1513.0	1635.0	1991.9	2659.9	3727.9	5403.8	6556.8	8148.8	8400.8	8237.8
65°	983.0	982.0	1100.0	1422.0	1986.9	2996.9	4830.9	6282.8	8151.8	8382.8	8058.8
67.5°	625.0	629.0	680.0	883.0	1330.0	2261.9	4050.9	5773.8	8009.8	7946.8	7406.8
70°	507.0	508.0	524.0	577.0	810.0	1546.0	3044.9	4977.9	7560.8	7077.8	6437.8
72.5°	452.0	453.0	461.0	467.0	540.0	929.0	1997.9	4041.9	6762.8	6032.8	5340.8
75°	406.0	406.0	411.0	405.0	443.0	583.0	1134.0	3038.9	5569.8	4697.9	4034.9
77.5°	356.0	355.0	355.0	352.0	383.0	426.0	568.0	2120.9	4011.9	3203.9	2616.9
80°	302.0	300.0	303.0	301.0	331.0	323.0	331.0	1309.0	2174.9	1469.0	1114.0
82.5°	235.0	235.0	244.0	246.0	273.0	234.0	233.0	621.0	826.0	549.0	411.0
85°	123.0	138.0	186.0	194.0	206.0	147.0	171.0	290.0	331.0	210.0	150.0
87.5°	37.0	39.0	114.0	128.0	127.0	74.0	105.0	140.0	155.0	93.0	61.0
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°	1477.0	1477.0	1477.0	1477.0	1477.0	1477.0	1477.0	1477.0	1477.0	1477.0	1477.0
2.5°	1495.0	1460.0	1386.0	1320.0	1270.0	1222.0	1189.0	1172.0	1150.0	1153.0	1146.0
5°	1541.0	1469.0	1338.0	1232.0	1161.0	1107.0	1074.0	1057.0	1041.0	1033.0	1039.0
7.5°	1610.0	1498.0	1315.0	1187.0	1113.0	1067.0	1049.0	1044.0	1040.0	1037.0	1042.0
10°	1699.0	1549.0	1311.0	1171.0	1103.0	1075.0	1068.0	1065.0	1061.0	1057.0	1060.0
12.5°	1789.9	1605.0	1325.0	1175.0	1119.0	1098.0	1089.0	1085.0	1075.0	1070.0	1071.0
15°	1903.9	1673.0	1344.0	1191.0	1140.0	1113.0	1101.0	1090.0	1074.0	1067.0	1070.0
17.5°	2025.9	1753.9	1370.0	1206.0	1148.0	1115.0	1091.0	1075.0	1059.0	1049.0	1050.0
20°	2163.9	1833.9	1393.0	1211.0	1144.0	1098.0	1069.0	1050.0	1029.0	1018.0	1015.0
22.5°	2306.9	1917.9	1411.0	1207.0	1122.0	1069.0	1036.0	1013.0	988.0	971.0	972.0
25°	2480.9	2031.9	1426.0	1193.0	1093.0	1031.0	994.0	965.0	939.0	923.0	924.0
27.5°	2689.9	2160.9	1444.0	1171.0	1058.0	990.0	947.0	918.0	893.0	878.0	876.0
30°	2968.9	2328.9	1464.0	1144.0	1014.0	945.0	903.0	873.0	849.0	835.0	835.0
32.5°	3282.9	2533.9	1478.0	1112.0	965.0	897.0	859.0	835.0	817.0	798.0	796.0
35°	3555.9	2692.9	1521.0	1087.0	922.0	852.0	826.0	809.0	782.0	764.0	761.0
37.5°	3956.9	2972.9	1648.0	1080.0	870.0	817.0	812.0	780.0	749.0	715.0	712.0
40°	4602.9	3457.9	1795.9	1046.0	816.0	798.0	793.0	750.0	677.0	656.0	652.0
42.5°	5424.8	4041.9	1811.9	947.0	778.0	782.0	767.0	683.0	651.0	635.0	631.0
45°	6166.8	4515.9	1720.9	846.0	750.0	758.0	727.0	658.0	640.0	625.0	621.0
47.5°	6583.8	4661.9	1549.0	770.0	729.0	737.0	663.0	646.0	628.0	613.0	609.0
50°	6700.8	4534.9	1349.0	726.0	713.0	716.0	646.0	636.0	620.0	608.0	602.0
52.5°	6723.8	4344.9	1164.0	700.0	701.0	674.0	631.0	623.0	613.0	594.0	587.0
55°	6733.8	4173.9	998.0	684.0	693.0	620.0	615.0	609.0	601.0	581.0	577.0
57.5°	6759.8	3954.9	868.0	672.0	683.0	595.0	597.0	593.0	583.0	574.0	572.0
60°	6685.8	3651.9	768.0	660.0	669.0	574.0	576.0	578.0	569.0	567.0	566.0
62.5°	6437.8	3221.9	683.0	644.0	640.0	553.0	553.0	561.0	553.0	556.0	556.0
65°	5926.8	2673.9	607.0	614.0	595.0	530.0	529.0	543.0	531.0	544.0	545.0
67.5°	5055.9	2023.9	529.0	567.0	548.0	506.0	510.0	521.0	505.0	532.0	532.0
70°	4001.9	1377.0	448.0	501.0	500.0	479.0	492.0	491.0	473.0	513.0	506.0
72.5°	2980.9	884.0	365.0	420.0	437.0	450.0	474.0	453.0	436.0	459.0	438.0
75°	2082.9	554.0	288.0	332.0	364.0	418.0	452.0	410.0	385.0	378.0	372.0
77.5°	1247.0	354.0	227.0	253.0	284.0	380.0	424.0	365.0	327.0	323.0	311.0
80°	575.0	231.0	173.0	189.0	202.0	326.0	386.0	312.0	266.0	262.0	248.0
82.5°	260.0	152.0	129.0	135.0	136.0	259.0	326.0	247.0	203.0	329.0	285.0
85°	121.0	98.0	84.0	80.0	81.0	173.0	237.0	170.0	231.0	180.0	137.0
87.5°	52.0	50.0	43.0	34.0	31.0	37.0	91.0	71.0	101.0	40.0	27.0
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)