

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: P672114

Luminaire Tested: **CCP-SA-1E-740-U-T2R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672114
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1E-740-U-T2R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ T2R distribution lens
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

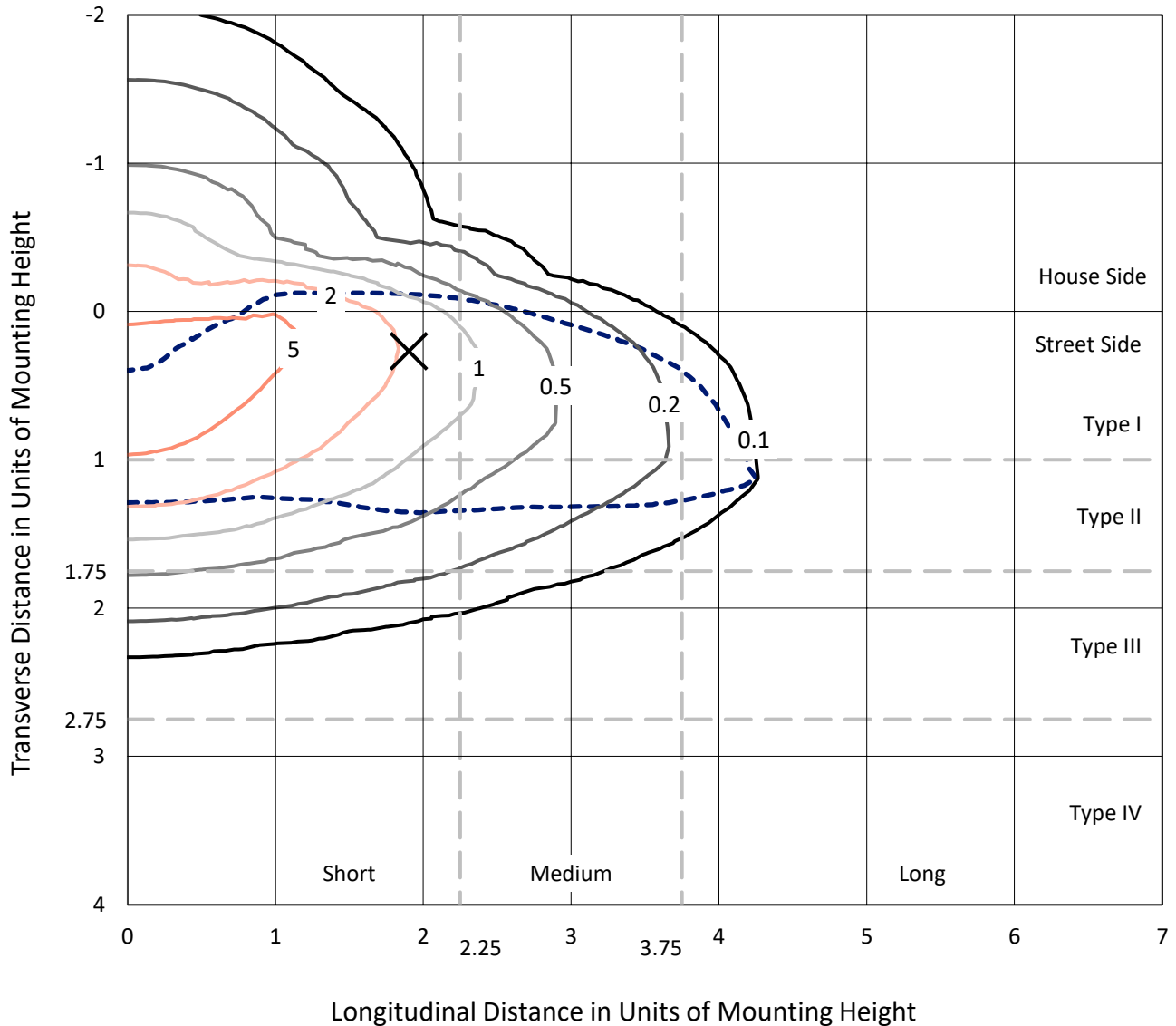
Lumens per Lamp: N/A
Luminaire Lumens: 6944.7 lumens
Efficiency: N/A
Efficacy: 123.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 56.1
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

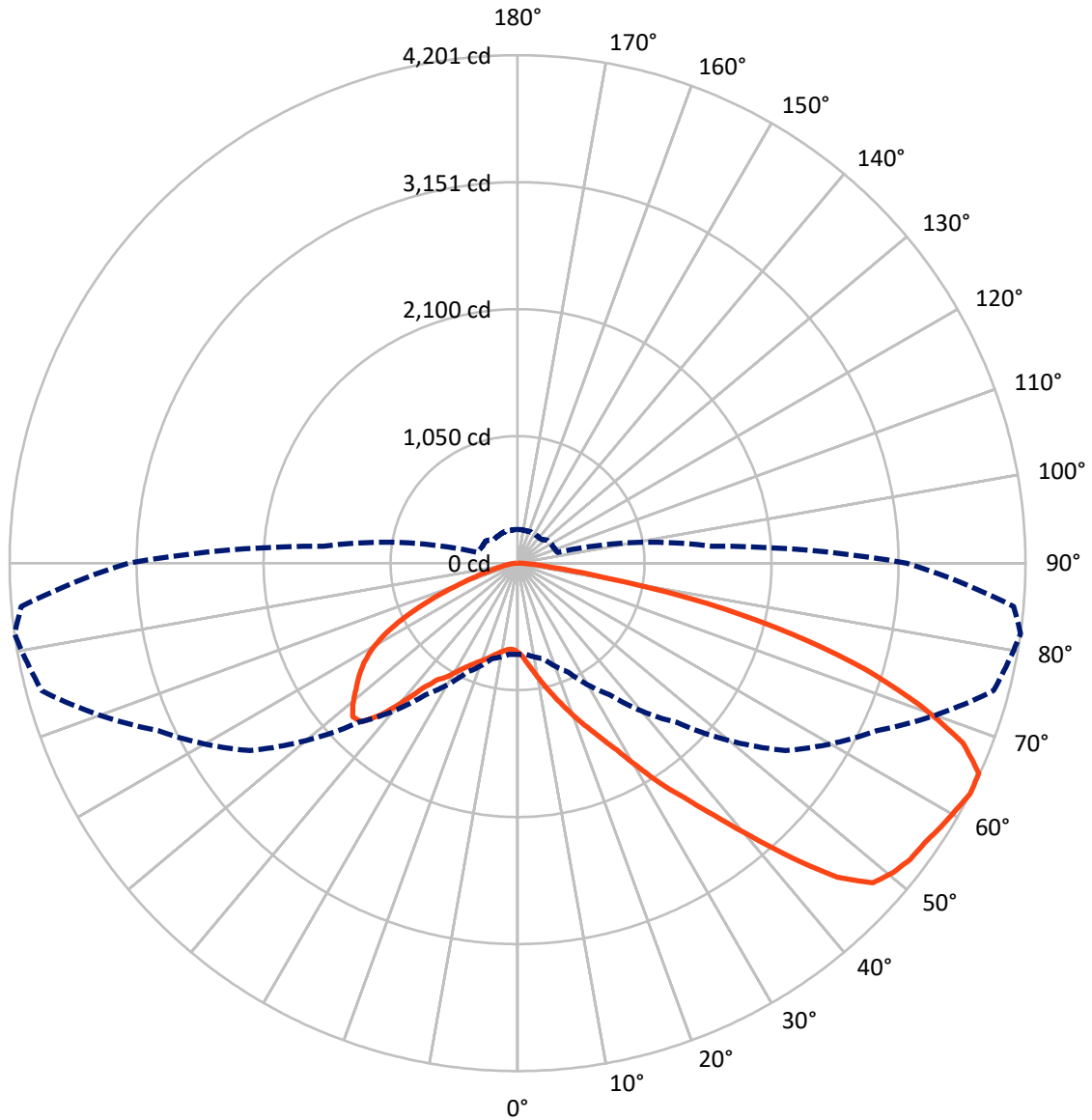
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 8.1 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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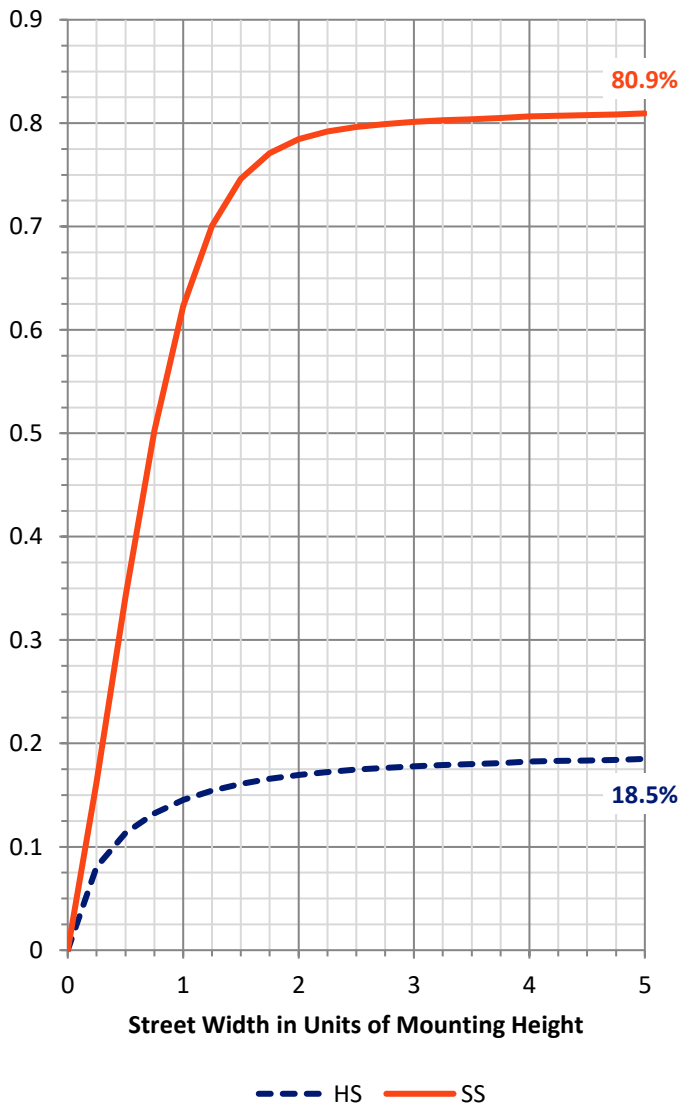
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1308.3	0.0	1308.3
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	5636.4	0.0	5636.4
	% Fixture	81.2	0.0	81.2
Total	Lumens	6944.7	0.0	6944.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.7	1.2
10°-20°	308.2	4.4
20°-30°	638.4	9.2
30°-40°	1083.5	15.6
40°-50°	1475.4	21.2
50°-60°	1493.5	21.5
60°-70°	1177.0	16.9
70°-80°	579.8	8.3
80°-90°	107.2	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°	6944.7	100.0
0°-180°	6944.7	100.0



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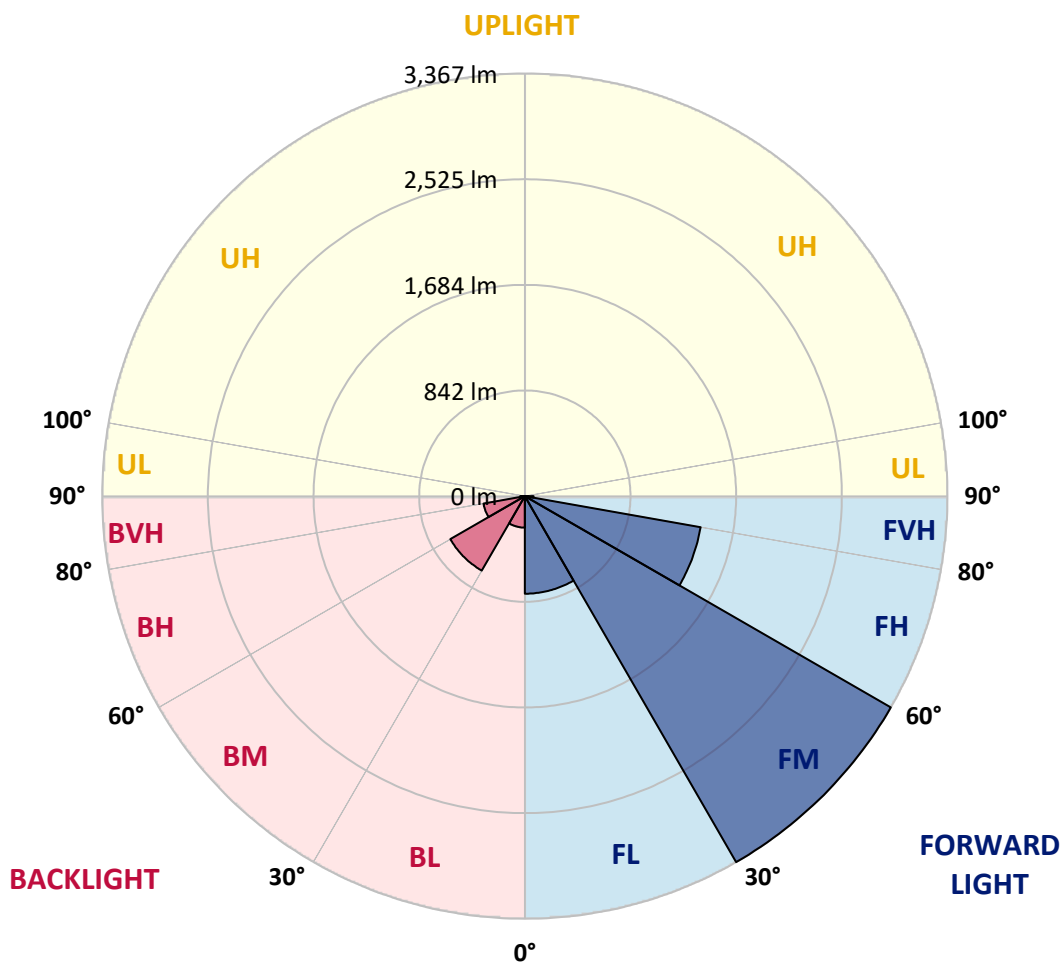
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	777.3	11.2			
FM (30°-60°)	3367.1	48.5			
FH (60°-80°)	1422.4	20.5			G1/1800
FVH (80°-90°)	69.7	1.0			G1/100
BL (0°-30°)	251.0	3.6	B1/500		
BM (30°-60°)	685.3	9.9	B1/1000		
BH (60°-80°)	334.4	4.8	B1/500		G1/500
BVH (80°-90°)	37.6	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	738.5	738.5	738.5	738.5	738.5	738.5	738.5	738.5	738.5	738.5	738.5
2.5°	983.5	968.5	960.5	951.5	926.5	910.5	880.5	845.5	805.0	770.5	764.0
5°	1191.1	1176.1	1178.1	1156.1	1119.5	1085.5	1029.5	963.5	886.5	827.5	807.0
7.5°	1337.6	1321.1	1325.1	1316.1	1286.6	1249.1	1178.1	1093.0	980.5	893.0	860.0
10°	1435.6	1437.6	1440.6	1437.1	1418.1	1391.6	1321.1	1227.1	1087.0	970.5	925.5
12.5°	1546.6	1552.1	1551.1	1552.6	1542.6	1521.6	1452.6	1364.1	1200.6	1054.0	995.5
15°	1688.1	1682.6	1687.1	1693.6	1682.6	1659.6	1598.6	1493.6	1319.6	1147.1	1074.5
17.5°	1843.1	1831.6	1843.6	1837.1	1829.1	1814.1	1747.1	1635.1	1442.6	1247.6	1162.6
20°	1977.1	1969.6	1976.1	1977.1	1978.6	1975.6	1906.6	1787.6	1571.6	1357.1	1257.6
22.5°	2127.6	2124.1	2123.1	2123.6	2125.1	2128.6	2081.6	1954.6	1714.6	1472.1	1360.1
25°	2338.1	2334.6	2311.6	2286.1	2271.1	2282.1	2257.6	2144.1	1872.6	1601.1	1472.6
27.5°	2574.1	2568.6	2538.1	2473.6	2425.6	2433.6	2431.1	2353.1	2054.6	1749.1	1607.6
30°	2819.1	2805.6	2763.6	2673.1	2597.6	2583.6	2590.6	2564.6	2283.6	1945.6	1795.6
32.5°	3037.6	3012.6	2957.1	2865.6	2775.6	2735.1	2736.1	2747.6	2532.6	2174.6	1992.6
35°	3171.1	3154.6	3113.1	3020.6	2920.1	2893.1	2885.6	2943.1	2761.1	2386.6	2169.1
37.5°	3243.1	3227.1	3182.6	3108.1	3032.1	3021.1	3035.1	3124.1	3020.6	2651.1	2409.1
40°	3230.1	3213.1	3184.1	3132.1	3082.1	3090.6	3152.6	3290.1	3304.1	2967.6	2751.1
42.5°	3123.1	3105.1	3102.6	3099.1	3075.6	3113.1	3225.1	3411.7	3564.7	3333.1	3165.1
45°	2934.1	2923.1	2936.1	2996.1	3025.6	3098.1	3259.1	3470.7	3793.7	3704.7	3556.7
47.5°	2694.6	2688.1	2717.6	2812.6	2908.1	3052.1	3281.6	3486.7	3951.2	3951.2	3813.2
50°	2426.6	2424.1	2463.1	2601.1	2750.6	2967.6	3279.1	3501.7	4020.2	4023.7	3903.7
52.5°	2052.6	2065.6	2169.6	2351.6	2554.6	2835.1	3244.1	3543.7	4059.2	4067.2	3964.2
55°	1621.6	1634.1	1791.1	2036.1	2296.1	2674.1	3139.6	3531.2	4066.7	4084.7	3998.7
57.5°	1294.6	1297.1	1395.1	1686.1	2008.1	2468.1	3019.1	3448.2	4044.7	4123.2	4051.7
60°	1013.0	1021.0	1086.5	1317.1	1674.1	2202.6	2884.6	3366.1	4057.2	4159.7	4099.7
62.5°	754.5	756.5	817.5	996.0	1330.1	1864.1	2702.1	3278.6	4074.7	4200.7	4119.2
65°	491.5	491.0	550.0	711.0	993.5	1498.6	2415.6	3141.6	4076.2	4191.7	4029.7
67.5°	312.5	314.5	340.0	441.5	665.0	1131.0	2025.6	2887.1	4005.2	3973.7	3703.7
70°	253.5	254.0	262.0	288.5	405.0	773.0	1522.6	2489.1	3780.7	3539.2	3219.1
72.5°	226.0	226.5	230.5	233.5	270.0	464.5	999.0	2021.1	3381.6	3016.6	2670.6
75°	203.0	203.0	205.5	202.5	221.5	291.5	567.0	1519.6	2785.1	2349.1	2017.6
77.5°	178.0	177.5	177.5	176.0	191.5	213.0	284.0	1060.5	2006.1	1602.1	1308.6
80°	151.0	150.0	151.5	150.5	165.5	161.5	165.5	654.5	1087.5	734.5	557.0
82.5°	117.5	117.5	122.0	123.0	136.5	117.0	116.5	310.5	413.0	274.5	205.5
85°	61.5	69.0	93.0	97.0	103.0	73.5	85.5	145.0	165.5	105.0	75.0
87.5°	18.5	19.5	57.0	64.0	63.5	37.0	52.5	70.0	77.5	46.5	30.5
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°	738.5	738.5	738.5	738.5	738.5	738.5	738.5	738.5	738.5	738.5	738.5
2.5°	747.5	730.0	693.0	660.0	635.0	611.0	594.5	586.0	575.0	576.5	573.0
5°	770.5	734.5	669.0	616.0	580.5	553.5	537.0	528.5	520.5	516.5	519.5
7.5°	805.0	749.0	657.5	593.5	556.5	533.5	524.5	522.0	520.0	518.5	521.0
10°	849.5	774.5	655.5	585.5	551.5	537.5	534.0	532.5	530.5	528.5	530.0
12.5°	895.0	802.5	662.5	587.5	559.5	549.0	544.5	542.5	537.5	535.0	535.5
15°	952.0	836.5	672.0	595.5	570.0	556.5	550.5	545.0	537.0	533.5	535.0
17.5°	1013.0	877.0	685.0	603.0	574.0	557.5	545.5	537.5	529.5	524.5	525.0
20°	1082.0	917.0	696.5	605.5	572.0	549.0	534.5	525.0	514.5	509.0	507.5
22.5°	1153.6	959.0	705.5	603.5	561.0	534.5	518.0	506.5	494.0	485.5	486.0
25°	1240.6	1016.0	713.0	596.5	546.5	515.5	497.0	482.5	469.5	461.5	462.0
27.5°	1345.1	1080.5	722.0	585.5	529.0	495.0	473.5	459.0	446.5	439.0	438.0
30°	1484.6	1164.6	732.0	572.0	507.0	472.5	451.5	436.5	424.5	417.5	417.5
32.5°	1641.6	1267.1	739.0	556.0	482.5	448.5	429.5	417.5	408.5	399.0	398.0
35°	1778.1	1346.6	760.5	543.5	461.0	426.0	413.0	404.5	391.0	382.0	380.5
37.5°	1978.6	1486.6	824.0	540.0	435.0	408.5	406.0	390.0	374.5	357.5	356.0
40°	2301.6	1729.1	898.0	523.0	408.0	399.0	396.5	375.0	338.5	328.0	326.0
42.5°	2712.6	2021.1	906.0	473.5	389.0	391.0	383.5	341.5	325.5	317.5	315.5
45°	3083.6	2258.1	860.5	423.0	375.0	379.0	363.5	329.0	320.0	312.5	310.5
47.5°	3292.1	2331.1	774.5	385.0	364.5	368.5	331.5	323.0	314.0	306.5	304.5
50°	3350.6	2267.6	674.5	363.0	356.5	358.0	323.0	318.0	310.0	304.0	301.0
52.5°	3362.1	2172.6	582.0	350.0	350.5	337.0	315.5	311.5	306.5	297.0	293.5
55°	3367.1	2087.1	499.0	342.0	346.5	310.0	307.5	304.5	300.5	290.5	288.5
57.5°	3380.1	1977.6	434.0	336.0	341.5	297.5	298.5	296.5	291.5	287.0	286.0
60°	3343.1	1826.1	384.0	330.0	334.5	287.0	288.0	289.0	284.5	283.5	283.0
62.5°	3219.1	1611.1	341.5	322.0	320.0	276.5	276.5	280.5	276.5	278.0	278.0
65°	2963.6	1337.1	303.5	307.0	297.5	265.0	264.5	271.5	265.5	272.0	272.5
67.5°	2528.1	1012.0	264.5	283.5	274.0	253.0	255.0	260.5	252.5	266.0	266.0
70°	2001.1	688.5	224.0	250.5	250.0	239.5	246.0	245.5	236.5	256.5	253.0
72.5°	1490.6	442.0	182.5	210.0	218.5	225.0	237.0	226.5	218.0	229.5	219.0
75°	1041.5	277.0	144.0	166.0	182.0	209.0	226.0	205.0	192.5	189.0	186.0
77.5°	623.5	177.0	113.5	126.5	142.0	190.0	212.0	182.5	163.5	161.5	155.5
80°	287.5	115.5	86.5	94.5	101.0	163.0	193.0	156.0	133.0	131.0	124.0
82.5°	130.0	76.0	64.5	67.5	68.0	129.5	163.0	123.5	101.5	164.5	142.5
85°	60.5	49.0	42.0	40.0	40.5	86.5	118.5	85.0	115.5	90.0	68.5
87.5°	26.0	25.0	21.5	17.0	15.5	18.5	45.5	35.5	50.5	20.0	13.5
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)