

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: P673337

Luminaire Tested: **CCP-SA-2D-840-U-T3-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P673337
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2D-840-U-T3-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @800mA w/ T3
distribution lens and House Side Shield
Light Source: (32) 4000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

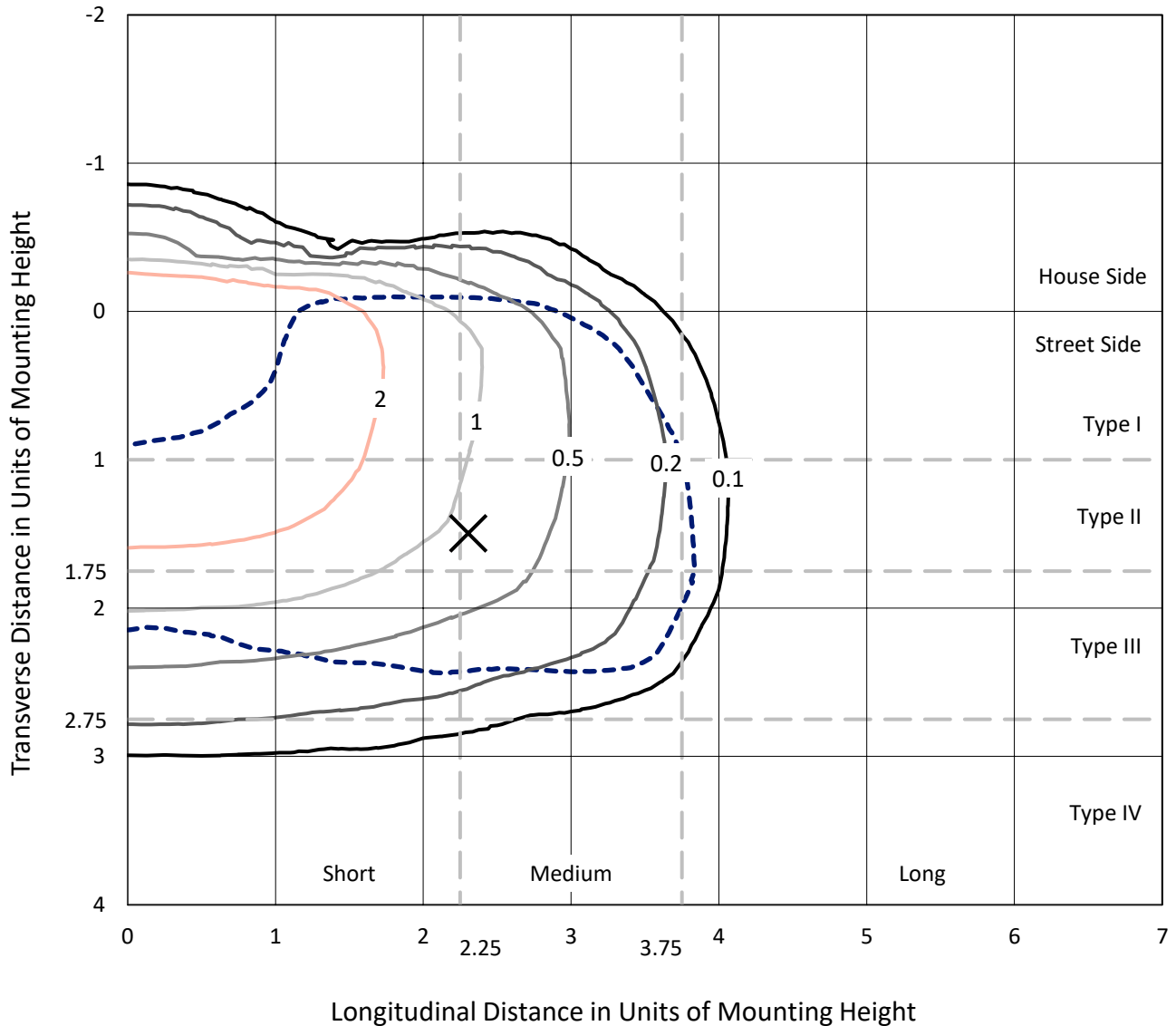
Lumens per Lamp: N/A
Luminaire Lumens: 6850.2 lumens
Efficiency: N/A
Efficacy: 84.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

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

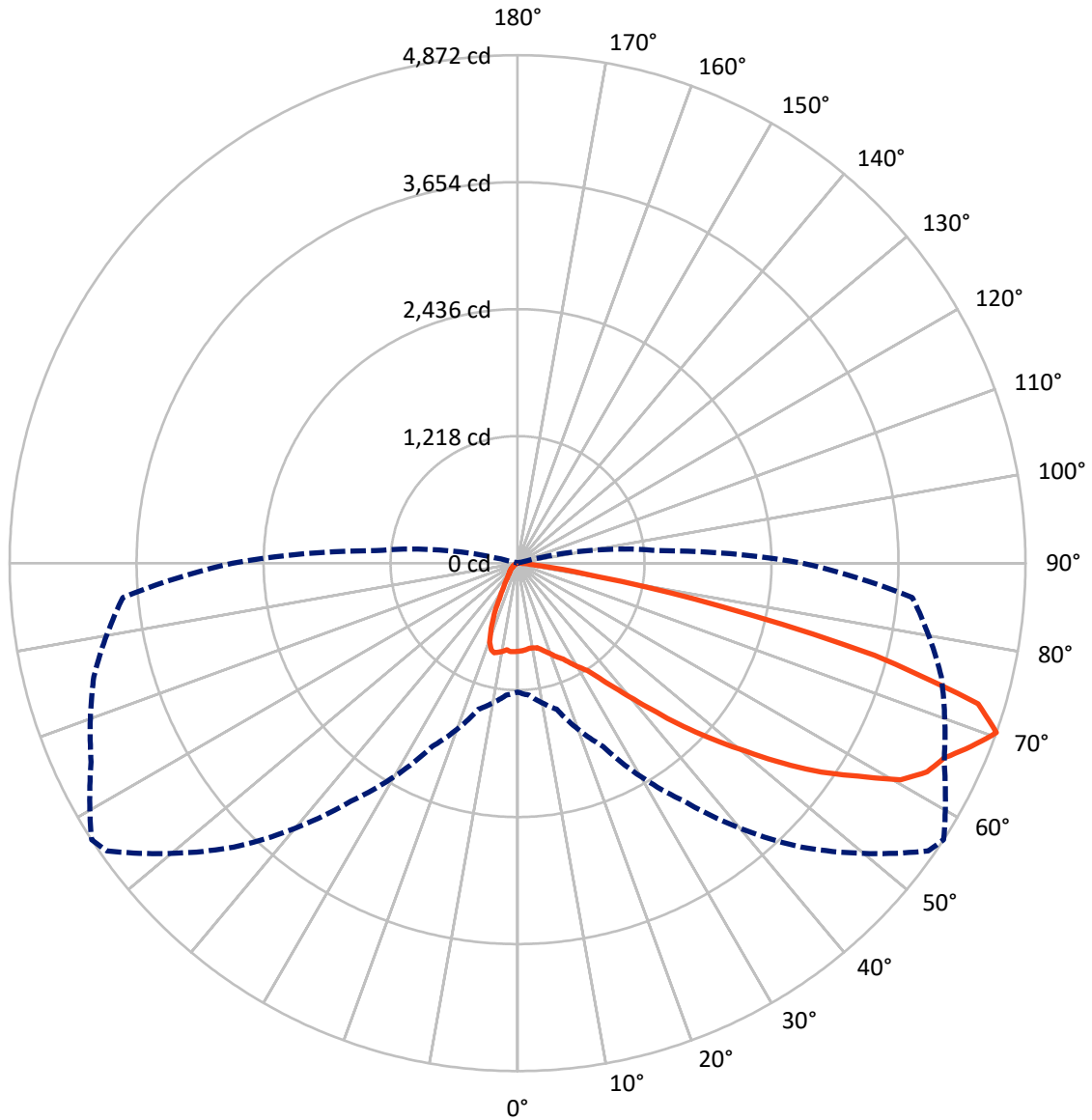
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.8 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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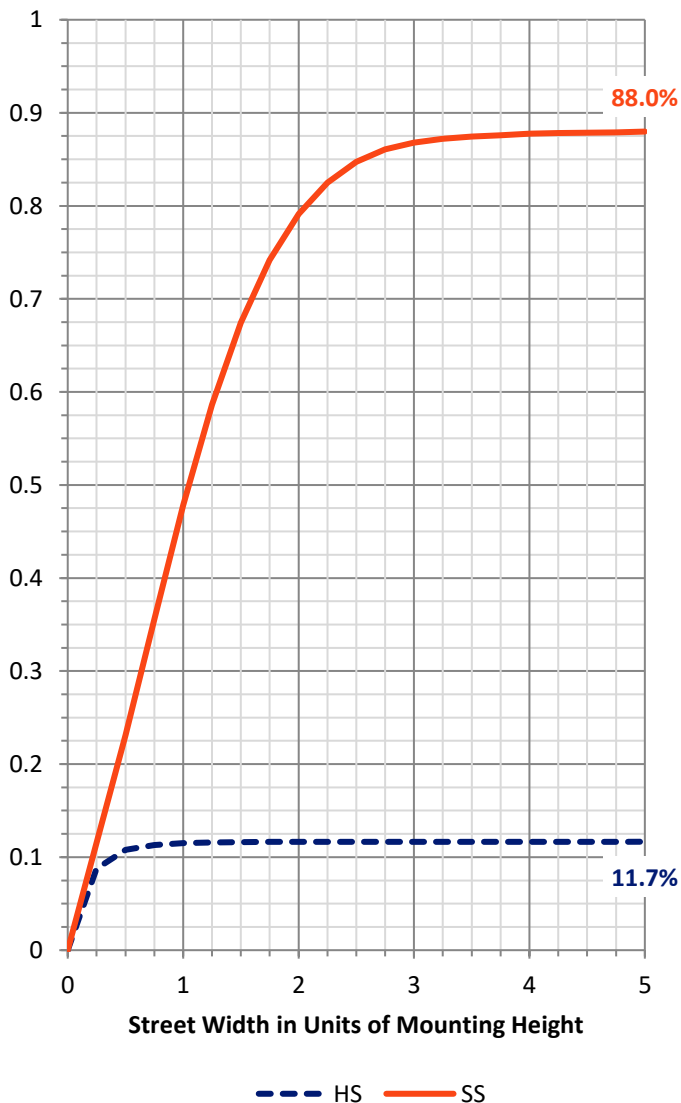
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	807.4	0.0	807.4
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	6042.8	0.0	6042.8
	% Fixture	88.2	0.0	88.2
Total	Lumens	6850.2	0.0	6850.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.0	1.2
10°-20°	220.8	3.2
20°-30°	372.0	5.4
30°-40°	636.6	9.3
40°-50°	1069.0	15.6
50°-60°	1640.9	24.0
60°-70°	1894.5	27.7
70°-80°	894.9	13.1
80°-90°	42.4	0.6
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°	6850.2	100.0
0°-180°	6850.2	100.0



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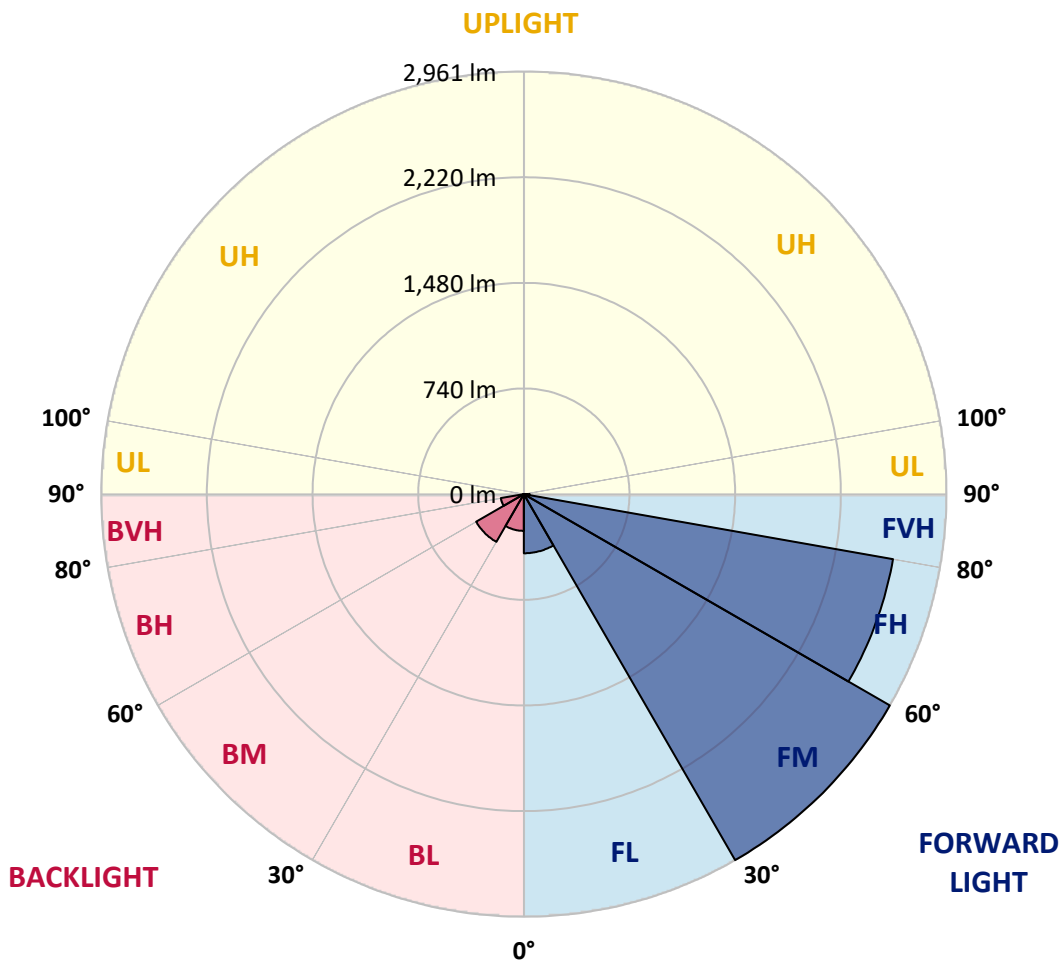
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	414.4	6.0			
FM (30°-60°)	2960.6	43.2			
FH (60°-80°)	2626.1	38.3			G2/5000
FVH (80°-90°)	41.7	0.6			G1/100
BL (0°-30°)	257.4	3.8	B1/500		
BM (30°-60°)	385.9	5.6	B1/1000		
BH (60°-80°)	163.3	2.4	B1/500		G1/500
BVH (80°-90°)	0.8	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	845.2	845.2	845.2	845.2	845.2	845.2	845.2	845.2	845.2	845.2	845.2
2.5°	833.0	827.7	833.0	840.0	833.0	838.2	836.5	841.7	834.7	834.7	840.0
5°	778.7	787.5	791.0	799.7	808.5	824.2	834.7	834.7	845.2	850.5	857.5
7.5°	759.5	745.5	759.5	766.5	775.2	801.5	817.2	824.2	838.2	857.5	868.0
10°	731.5	742.0	742.0	764.7	777.0	792.7	820.7	826.0	857.5	876.7	887.2
12.5°	729.7	729.7	738.5	754.2	778.7	808.5	843.5	833.0	866.2	901.2	918.7
15°	735.0	747.2	747.2	768.2	787.5	829.5	859.2	861.0	908.2	943.2	959.0
17.5°	757.7	752.5	759.5	771.7	801.5	841.7	890.7	896.0	950.2	997.5	1020.2
20°	805.0	813.7	803.2	796.2	808.5	861.0	924.0	934.5	995.7	1041.2	1064.0
22.5°	981.7	974.7	932.7	883.7	862.7	887.2	955.5	980.0	1051.7	1106.0	1125.2
25°	1181.2	1169.0	1120.0	1046.5	950.2	939.7	1018.5	1018.5	1121.7	1181.2	1176.0
27.5°	1370.2	1366.7	1309.0	1232.0	1095.5	1020.2	1069.2	1088.5	1200.5	1249.5	1226.7
30°	1562.7	1566.2	1513.7	1421.0	1277.5	1149.7	1141.0	1156.7	1260.0	1337.0	1289.7
32.5°	1786.7	1755.2	1718.5	1590.7	1459.5	1316.0	1233.7	1226.7	1326.5	1396.5	1333.5
35°	1986.2	1967.0	1926.7	1811.2	1660.7	1489.2	1373.7	1356.2	1410.5	1503.2	1435.0
37.5°	2161.2	2142.0	2089.5	2012.5	1895.2	1704.5	1541.7	1515.5	1538.2	1636.2	1554.0
40°	2311.7	2317.0	2303.0	2227.7	2119.2	1946.0	1758.7	1716.7	1697.5	1785.0	1692.2
42.5°	2420.2	2471.0	2474.5	2381.7	2294.2	2199.7	1989.7	1956.5	1911.0	1984.5	1919.7
45°	2647.7	2619.7	2637.2	2604.0	2507.7	2493.7	2255.7	2236.5	2173.5	2198.0	2129.7
47.5°	2826.2	2821.0	2854.2	2800.0	2773.7	2775.5	2558.5	2525.2	2436.0	2481.5	2404.5
50°	2929.5	2901.5	3022.2	3064.2	3059.0	3080.0	2864.7	2836.7	2751.0	2817.5	2653.0
52.5°	2954.0	3004.7	3118.5	3270.7	3335.4	3379.2	3198.9	3188.4	3095.7	3137.7	2910.2
55°	3015.2	3064.2	3130.7	3380.9	3620.7	3631.2	3527.9	3538.4	3456.2	3445.7	3155.2
57.5°	3013.5	3003.0	3186.7	3477.2	3809.7	3960.2	3904.2	3853.4	3764.2	3660.9	3312.7
60°	2903.2	2898.0	3088.7	3489.4	3912.9	4257.7	4280.4	4220.9	3996.9	3844.7	3498.2
62.5°	2684.5	2705.5	2898.0	3384.4	4010.9	4364.4	4448.4	4408.2	4129.9	3967.2	3716.9
65°	2434.2	2390.5	2614.5	3122.0	3790.4	4332.9	4514.9	4500.9	4287.4	4100.2	3918.2
67.5°	1953.0	1972.2	2143.7	2686.2	3414.2	4217.4	4670.7	4691.7	4413.4	4217.4	3979.4
70°	1237.2	1272.2	1450.7	1940.7	2787.7	3853.4	4810.7	4871.9	4513.2	4206.9	3800.9
72.5°	360.5	374.5	617.7	967.7	1776.2	3090.5	4586.7	4618.2	4318.9	3818.4	2940.0
75°	119.0	126.0	182.0	315.0	696.5	1597.7	3387.9	3536.7	3436.9	2768.5	1681.7
77.5°	78.7	82.2	99.7	150.5	264.2	500.5	1816.5	1975.7	1937.2	1296.7	542.5
80°	57.7	59.5	73.5	101.5	161.0	180.2	670.2	775.2	749.0	297.5	108.5
82.5°	36.7	36.7	54.2	71.7	101.5	89.2	194.2	215.2	210.0	113.7	42.0
85°	24.5	26.2	40.2	56.0	56.0	42.0	56.0	64.7	70.0	61.2	19.2
87.5°	7.0	8.7	22.7	38.5	22.7	21.0	19.2	21.0	24.5	33.2	10.5
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°	845.2	845.2	845.2	845.2	845.2	845.2	845.2	845.2	845.2	845.2	845.2
2.5°	845.2	852.2	850.5	854.0	848.7	843.5	848.7	848.7	848.7	843.5	840.0
5°	852.2	848.7	852.2	845.2	852.2	845.2	841.7	831.2	829.5	829.5	836.5
7.5°	862.7	866.2	850.5	850.5	834.7	838.2	829.5	831.2	827.7	822.5	819.0
10°	878.5	892.5	876.7	871.5	854.0	840.0	819.0	808.5	808.5	801.5	808.5
12.5°	922.2	917.0	908.2	890.7	869.7	841.7	791.0	740.2	698.2	666.7	682.5
15°	957.2	955.5	943.2	910.0	882.0	796.2	668.5	537.2	467.2	435.7	430.5
17.5°	1011.5	1006.2	985.2	941.5	848.7	659.7	458.5	348.2	280.0	264.2	259.0
20°	1062.2	1060.5	1015.0	959.0	764.7	481.2	299.2	229.2	210.0	211.7	208.2
22.5°	1116.5	1107.7	1053.5	938.0	609.0	320.2	213.5	204.7	197.7	196.0	199.5
25°	1177.7	1146.2	1092.0	890.7	448.0	220.5	201.2	194.2	187.2	185.5	185.5
27.5°	1202.2	1181.2	1109.5	777.0	283.5	192.5	189.0	180.2	171.5	166.2	164.5
30°	1258.2	1223.2	1127.0	610.7	201.2	176.7	171.5	161.0	148.7	140.0	140.0
32.5°	1314.2	1272.2	1128.7	427.0	168.0	159.2	150.5	136.5	120.7	112.0	113.7
35°	1384.2	1326.5	1109.5	276.5	150.5	140.0	122.5	106.7	92.7	85.7	85.7
37.5°	1503.2	1449.0	1030.7	182.0	136.5	119.0	101.5	84.0	71.7	66.5	66.5
40°	1653.7	1583.7	922.2	143.5	120.7	101.5	80.5	64.7	57.7	52.5	52.5
42.5°	1834.0	1746.5	761.2	127.7	106.7	84.0	63.0	50.7	43.7	43.7	42.0
45°	2014.2	1870.7	596.7	117.2	94.5	70.0	49.0	40.2	36.7	35.0	35.0
47.5°	2271.5	2021.2	427.0	106.7	82.2	54.2	40.2	33.2	29.7	28.0	29.7
50°	2518.2	2163.0	302.7	96.2	68.2	43.7	33.2	29.7	26.2	24.5	24.5
52.5°	2735.2	2261.0	211.7	84.0	57.7	36.7	29.7	26.2	24.5	22.7	22.7
55°	2854.2	2227.7	145.2	71.7	47.2	31.5	26.2	22.7	21.0	19.2	19.2
57.5°	2976.7	2135.0	110.2	59.5	38.5	29.7	24.5	21.0	19.2	17.5	17.5
60°	3080.0	2066.7	85.7	47.2	31.5	24.5	21.0	17.5	15.7	14.0	12.2
62.5°	3085.2	1930.2	63.0	35.0	24.5	21.0	17.5	14.0	8.7	7.0	5.2
65°	3106.2	1786.7	45.5	26.2	17.5	15.7	12.2	7.0	3.5	0.0	0.0
67.5°	3032.7	1617.0	36.7	19.2	12.2	8.7	5.2	1.7	0.0	0.0	0.0
70°	2733.5	1365.0	28.0	14.0	8.7	5.2	1.7	0.0	0.0	0.0	0.0
72.5°	1956.5	887.2	19.2	10.5	3.5	1.7	0.0	0.0	0.0	0.0	0.0
75°	1043.0	378.0	14.0	7.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	327.2	96.2	8.7	3.5	1.7	0.0	0.0	0.0	0.0	0.0	0.0
80°	71.7	26.2	5.2	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	24.5	10.5	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	8.7	3.5	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.5	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)