

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: P676482

Luminaire Tested: **CCW-SA-2D-835-U-T3-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676482
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2D-835-U-T3-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @800mA w/
T3 distribution lens and House Side Shield
Light Source: (32) 3500K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

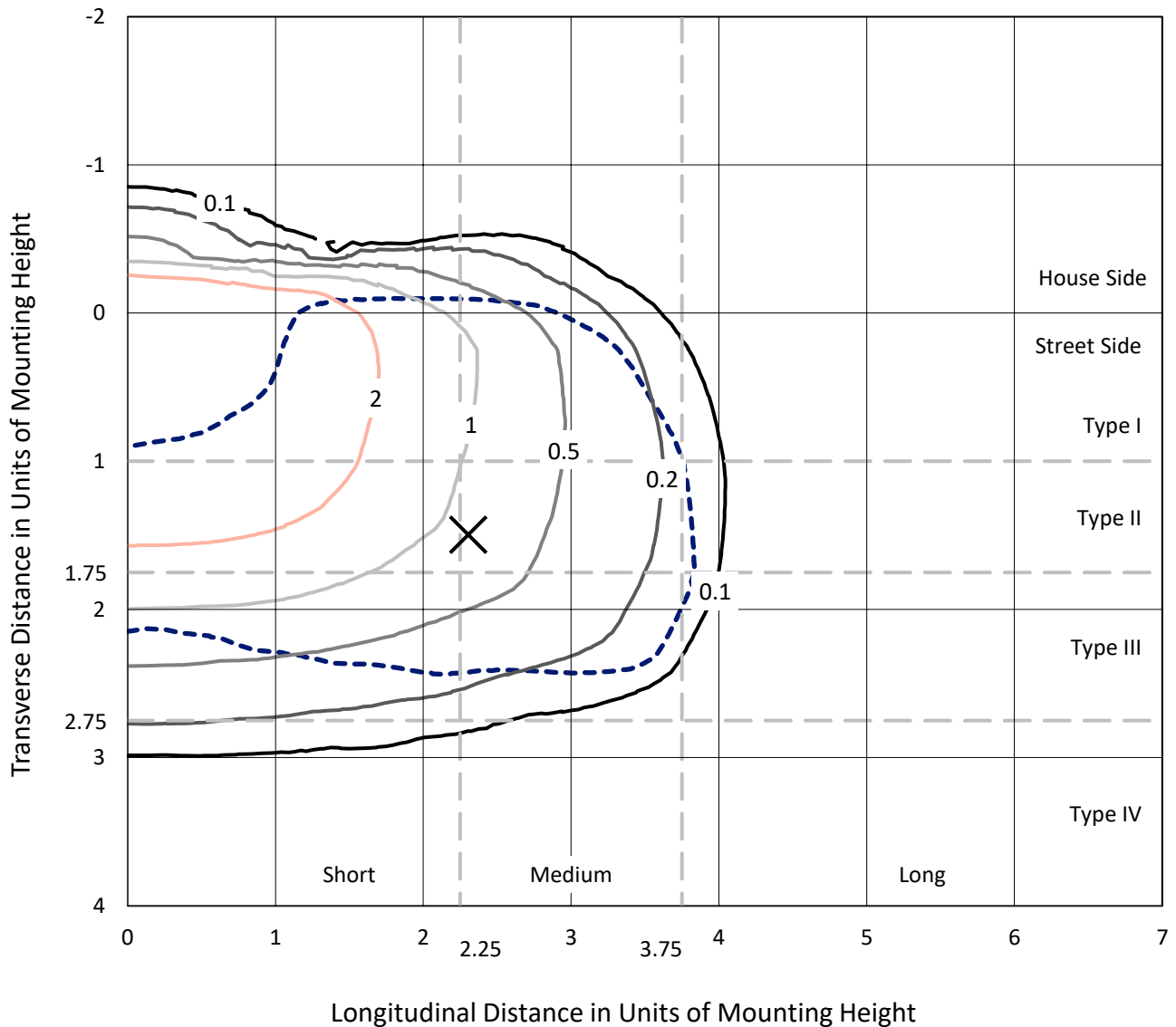
Lumens per Lamp: N/A
Luminaire Lumens: 6620.5 lumens
Efficiency: N/A
Efficacy: 81.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 80.8
Input Voltage (V): 120
Input Current (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: P676482
 CATALOG NUMBER: CCW-SA-2D-835-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination

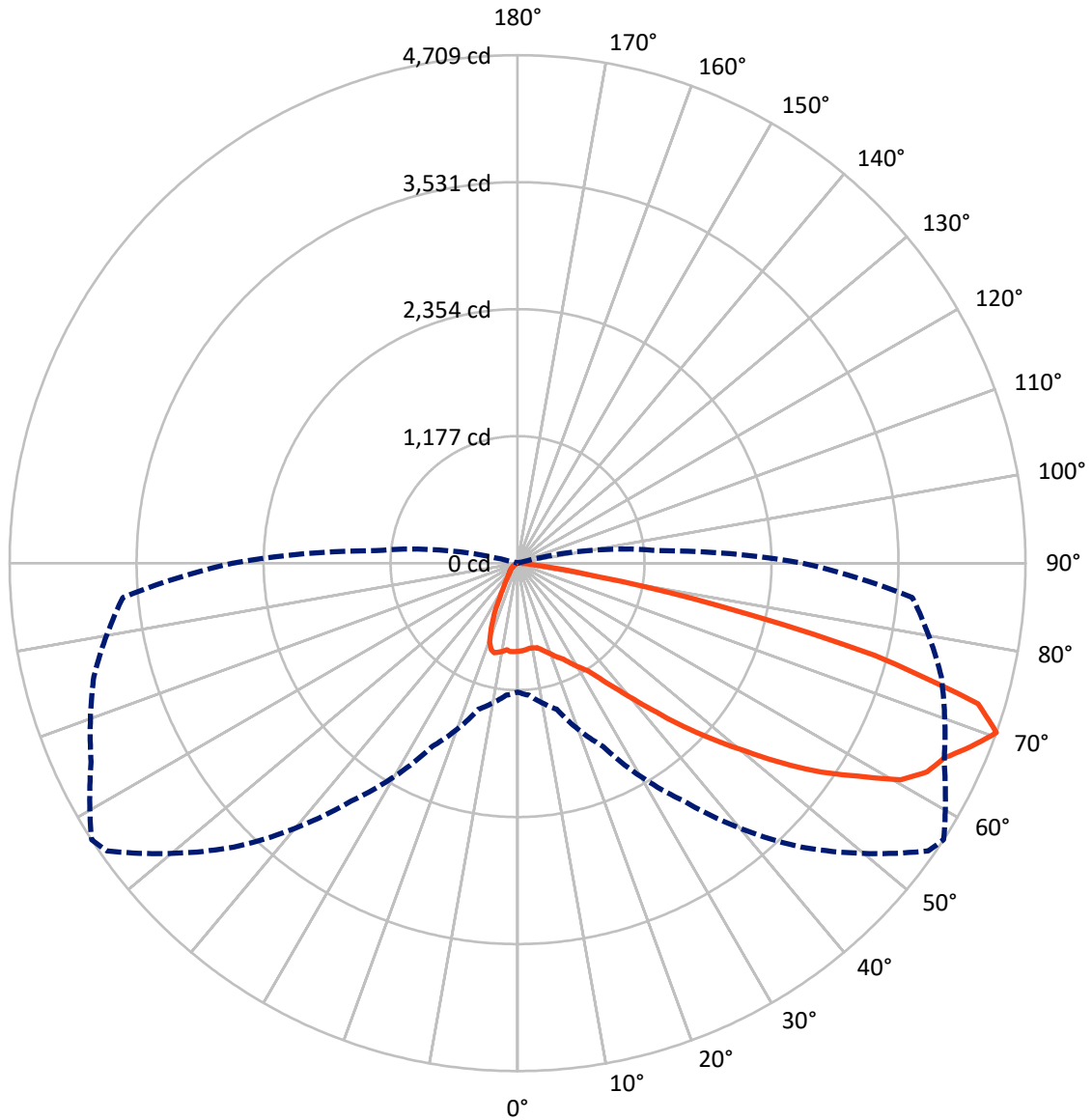
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.7 fc
 Type III - Medium - N/A

REPORT NUMBER: P676482
CATALOG NUMBER: CCW-SA-2D-835-U-T3-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P676482

CATALOG NUMBER: CCW-SA-2D-835-U-T3-HSS

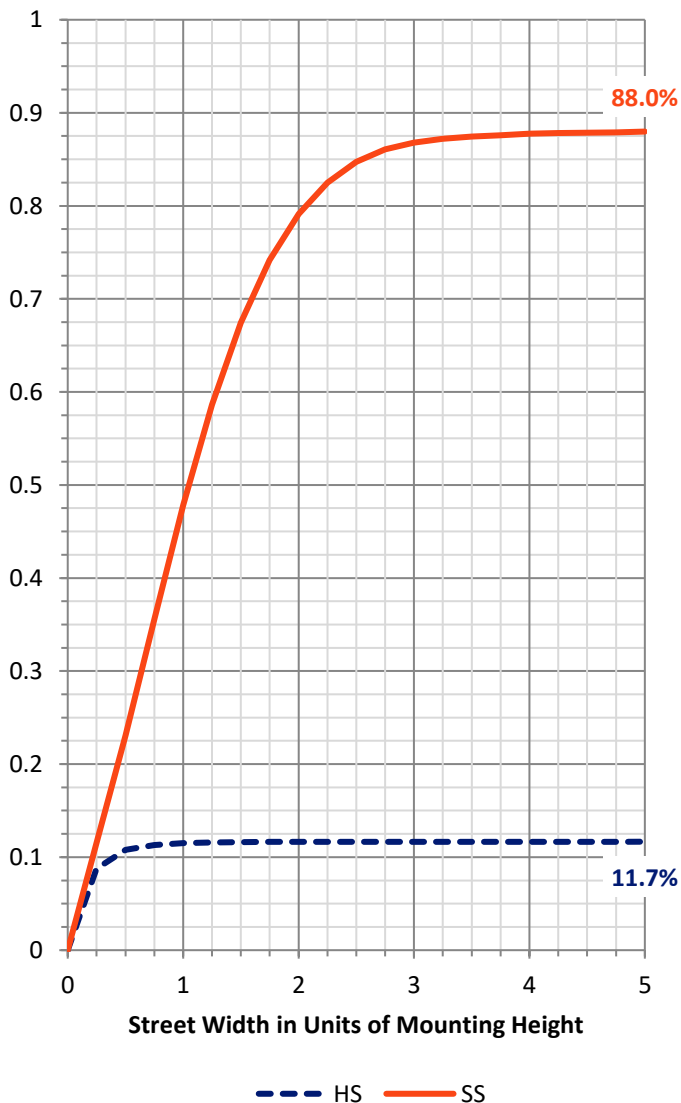
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	780.4	0.0	780.4
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	5840.1	0.0	5840.1
	% Fixture	88.2	0.0	88.2
Total	Lumens	6620.5	0.0	6620.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.4	1.2
10°-20°	213.4	3.2
20°-30°	359.5	5.4
30°-40°	615.3	9.3
40°-50°	1033.1	15.6
50°-60°	1585.9	24.0
60°-70°	1831.0	27.7
70°-80°	864.9	13.1
80°-90°	41.0	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°	6620.5	100.0
0°-180°	6620.5	100.0



REPORT NUMBER: P676482

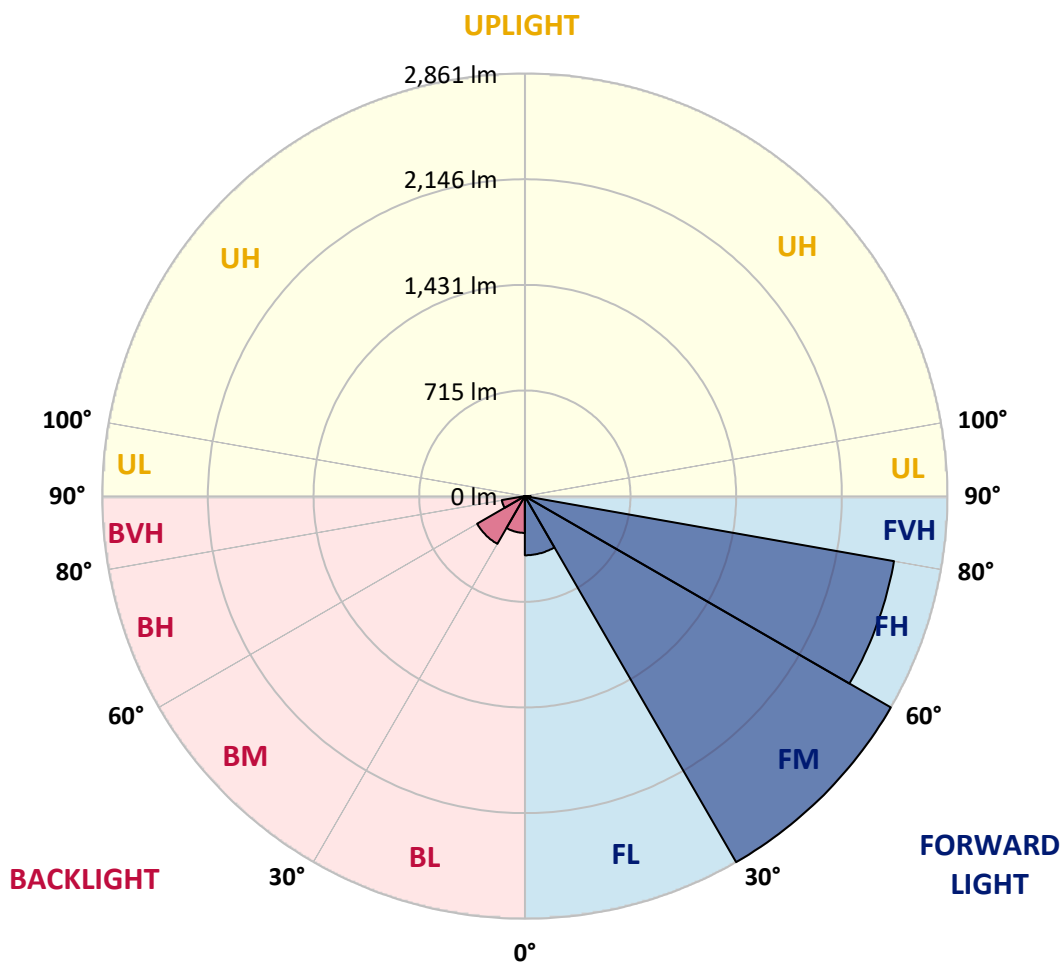
CATALOG NUMBER: CCW-SA-2D-835-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	400.5	6.0			
FM (30°-60°)	2861.3	43.2			
FH (60°-80°)	2538.0	38.3			G2/5000
FVH (80°-90°)	40.3	0.6			G1/100
BL (0°-30°)	248.8	3.8	B1/500		
BM (30°-60°)	373.0	5.6	B1/1000		
BH (60°-80°)	157.8	2.4	B1/500		G1/500
BVH (80°-90°)	0.7	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





REPORT NUMBER: P676482

CATALOG NUMBER: CCW-SA-2D-835-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	816.9	816.9	816.9	816.9	816.9	816.9	816.9	816.9	816.9	816.9	816.9
2.5°	805.0	800.0	805.0	811.8	805.0	810.1	808.4	813.5	806.7	806.7	811.8
5°	752.6	761.1	764.5	772.9	781.4	796.6	806.7	806.7	816.9	822.0	828.7
7.5°	734.0	720.5	734.0	740.8	749.2	774.6	789.8	796.6	810.1	828.7	838.9
10°	707.0	717.1	717.1	739.1	750.9	766.1	793.2	798.3	828.7	847.3	857.5
12.5°	705.3	705.3	713.7	728.9	752.6	781.4	815.2	805.0	837.2	871.0	887.9
15°	710.3	722.2	722.2	742.5	761.1	801.7	830.4	832.1	877.8	911.6	926.8
17.5°	732.3	727.2	734.0	745.9	774.6	813.5	860.9	865.9	918.4	964.0	986.0
20°	778.0	786.4	776.3	769.5	781.4	832.1	893.0	903.1	962.3	1006.3	1028.3
22.5°	948.8	942.0	901.4	854.1	833.8	857.5	923.4	947.1	1016.5	1068.9	1087.5
25°	1141.6	1129.8	1082.4	1011.4	918.4	908.2	984.3	984.3	1084.1	1141.6	1136.5
27.5°	1324.3	1320.9	1265.1	1190.7	1058.7	986.0	1033.4	1052.0	1160.2	1207.6	1185.6
30°	1510.3	1513.7	1462.9	1373.3	1234.6	1111.2	1102.7	1117.9	1217.7	1292.1	1246.5
32.5°	1726.8	1696.3	1660.8	1537.4	1410.5	1271.8	1192.3	1185.6	1282.0	1349.6	1288.7
35°	1919.6	1901.0	1862.1	1750.5	1605.0	1439.3	1327.6	1310.7	1363.2	1452.8	1386.8
37.5°	2088.7	2070.1	2019.4	1945.0	1831.6	1647.3	1490.0	1464.6	1486.6	1581.3	1501.8
40°	2234.2	2239.2	2225.7	2153.0	2048.1	1880.7	1699.7	1659.1	1640.5	1725.1	1635.5
42.5°	2339.0	2388.1	2391.5	2301.8	2217.3	2125.9	1923.0	1890.8	1846.9	1917.9	1855.3
45°	2558.9	2531.8	2548.7	2516.6	2423.6	2410.1	2180.0	2161.4	2100.6	2124.2	2058.3
47.5°	2731.4	2726.3	2758.5	2706.0	2680.7	2682.4	2472.6	2440.5	2354.2	2398.2	2323.8
50°	2831.2	2804.1	2920.8	2961.4	2956.3	2976.6	2768.6	2741.5	2658.7	2722.9	2564.0
52.5°	2854.9	2903.9	3013.8	3161.0	3223.6	3265.8	3091.6	3081.5	2991.9	3032.4	2812.6
55°	2914.1	2961.4	3025.7	3267.5	3499.2	3509.4	3409.6	3419.7	3340.3	3330.1	3049.4
57.5°	2912.4	2902.2	3079.8	3360.6	3681.9	3827.3	3773.2	3724.2	3637.9	3538.1	3201.6
60°	2805.8	2800.7	2985.1	3372.4	3781.7	4114.9	4136.8	4079.3	3862.9	3715.7	3380.8
62.5°	2594.4	2614.7	2800.7	3270.9	3876.4	4218.0	4299.2	4260.3	3991.4	3834.1	3592.3
65°	2352.6	2310.3	2526.8	3017.2	3663.3	4187.6	4363.5	4349.9	4143.6	3962.6	3786.8
67.5°	1887.5	1906.1	2071.8	2596.1	3299.7	4076.0	4514.0	4534.3	4265.4	4076.0	3845.9
70°	1195.7	1229.6	1402.1	1875.6	2694.2	3724.2	4649.3	4708.5	4361.8	4065.8	3673.4
72.5°	348.4	361.9	597.0	935.3	1716.6	2986.8	4432.8	4463.3	4174.1	3690.4	2841.3
75°	115.0	121.8	175.9	304.4	673.1	1544.1	3274.3	3418.1	3321.7	2675.6	1625.3
77.5°	76.1	79.5	96.4	145.4	255.4	483.7	1755.5	1909.4	1872.2	1253.2	524.3
80°	55.8	57.5	71.0	98.1	155.6	174.2	647.8	749.2	723.9	287.5	104.9
82.5°	35.5	35.5	52.4	69.3	98.1	86.3	187.7	208.0	203.0	109.9	40.6
85°	23.7	25.4	38.9	54.1	54.1	40.6	54.1	62.6	67.7	59.2	18.6
87.5°	6.8	8.5	22.0	37.2	22.0	20.3	18.6	20.3	23.7	32.1	10.1
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: P676482
 CATALOG NUMBER: CCW-SA-2D-835-U-T3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	816.9	816.9	816.9	816.9	816.9	816.9	816.9	816.9	816.9	816.9	816.9
2.5°	816.9	823.6	822.0	825.3	820.3	815.2	820.3	820.3	820.3	815.2	811.8
5°	823.6	820.3	823.6	816.9	823.6	816.9	813.5	803.4	801.7	801.7	808.4
7.5°	833.8	837.2	822.0	822.0	806.7	810.1	801.7	803.4	800.0	794.9	791.5
10°	849.0	862.5	847.3	842.3	825.3	811.8	791.5	781.4	781.4	774.6	781.4
12.5°	891.3	886.2	877.8	860.9	840.6	813.5	764.5	715.4	674.8	644.4	659.6
15°	925.1	923.4	911.6	879.5	852.4	769.5	646.1	519.2	451.6	421.1	416.1
17.5°	977.6	972.5	952.2	909.9	820.3	637.6	443.1	336.6	270.6	255.4	250.3
20°	1026.6	1024.9	980.9	926.8	739.1	465.1	289.2	221.6	203.0	204.6	201.3
22.5°	1079.0	1070.6	1018.1	906.5	588.6	309.5	206.3	197.9	191.1	189.4	192.8
25°	1138.2	1107.8	1055.4	860.9	433.0	213.1	194.5	187.7	181.0	179.3	179.3
27.5°	1161.9	1141.6	1072.3	750.9	274.0	186.0	182.7	174.2	165.7	160.7	159.0
30°	1216.0	1182.2	1089.2	590.3	194.5	170.8	165.7	155.6	143.8	135.3	135.3
32.5°	1270.1	1229.6	1090.9	412.7	162.4	153.9	145.4	131.9	116.7	108.2	109.9
35°	1337.8	1282.0	1072.3	267.2	145.4	135.3	118.4	103.2	89.6	82.9	82.9
37.5°	1452.8	1400.4	996.2	175.9	131.9	115.0	98.1	81.2	69.3	64.3	64.3
40°	1598.3	1530.6	891.3	138.7	116.7	98.1	77.8	62.6	55.8	50.7	50.7
42.5°	1772.5	1687.9	735.7	123.5	103.2	81.2	60.9	49.0	42.3	42.3	40.6
45°	1946.7	1808.0	576.7	113.3	91.3	67.7	47.4	38.9	35.5	33.8	33.8
47.5°	2195.3	1953.4	412.7	103.2	79.5	52.4	38.9	32.1	28.8	27.1	28.8
50°	2433.7	2090.4	292.6	93.0	66.0	42.3	32.1	28.8	25.4	23.7	23.7
52.5°	2643.5	2185.1	204.6	81.2	55.8	35.5	28.8	25.4	23.7	22.0	22.0
55°	2758.5	2153.0	140.4	69.3	45.7	30.4	25.4	22.0	20.3	18.6	18.6
57.5°	2876.9	2063.4	106.6	57.5	37.2	28.8	23.7	20.3	18.6	16.9	16.9
60°	2976.6	1997.4	82.9	45.7	30.4	23.7	20.3	16.9	15.2	13.5	11.8
62.5°	2981.7	1865.5	60.9	33.8	23.7	20.3	16.9	13.5	8.5	6.8	5.1
65°	3002.0	1726.8	44.0	25.4	16.9	15.2	11.8	6.8	3.4	0.0	0.0
67.5°	2931.0	1562.7	35.5	18.6	11.8	8.5	5.1	1.7	0.0	0.0	0.0
70°	2641.8	1319.2	27.1	13.5	8.5	5.1	1.7	0.0	0.0	0.0	0.0
72.5°	1890.8	857.5	18.6	10.1	3.4	1.7	0.0	0.0	0.0	0.0	0.0
75°	1008.0	365.3	13.5	6.8	1.7	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	316.3	93.0	8.5	3.4	1.7	0.0	0.0	0.0	0.0	0.0	0.0
80°	69.3	25.4	5.1	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	23.7	10.1	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	8.5	3.4	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.4	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)