

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: P676394

Luminaire Tested: **CCW-SA-2D-727-U-T3-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676394
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2D-727-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) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

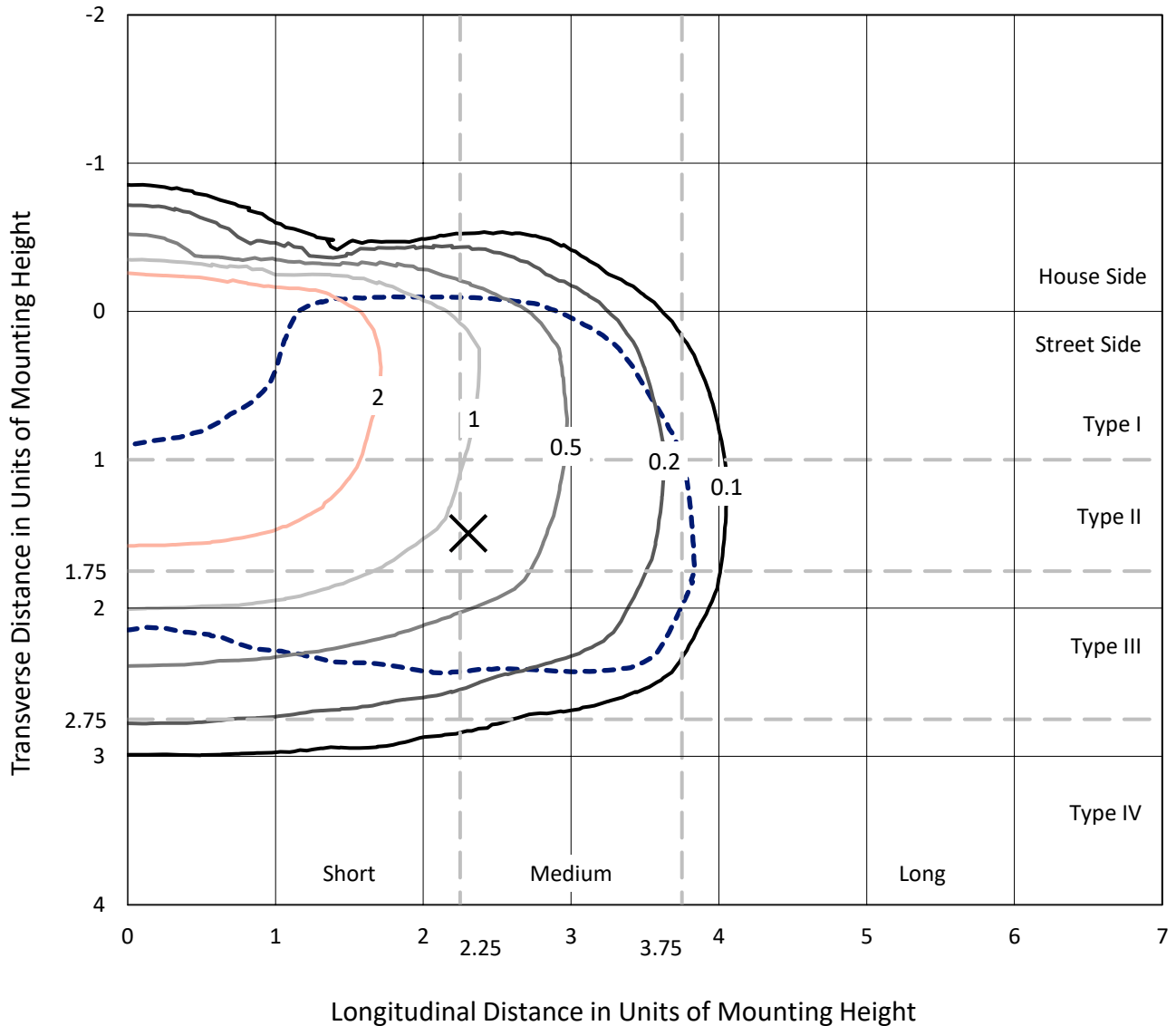
Lumens per Lamp: N/A
Luminaire Lumens: 6719.3 lumens
Efficiency: N/A
Efficacy: 83.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

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

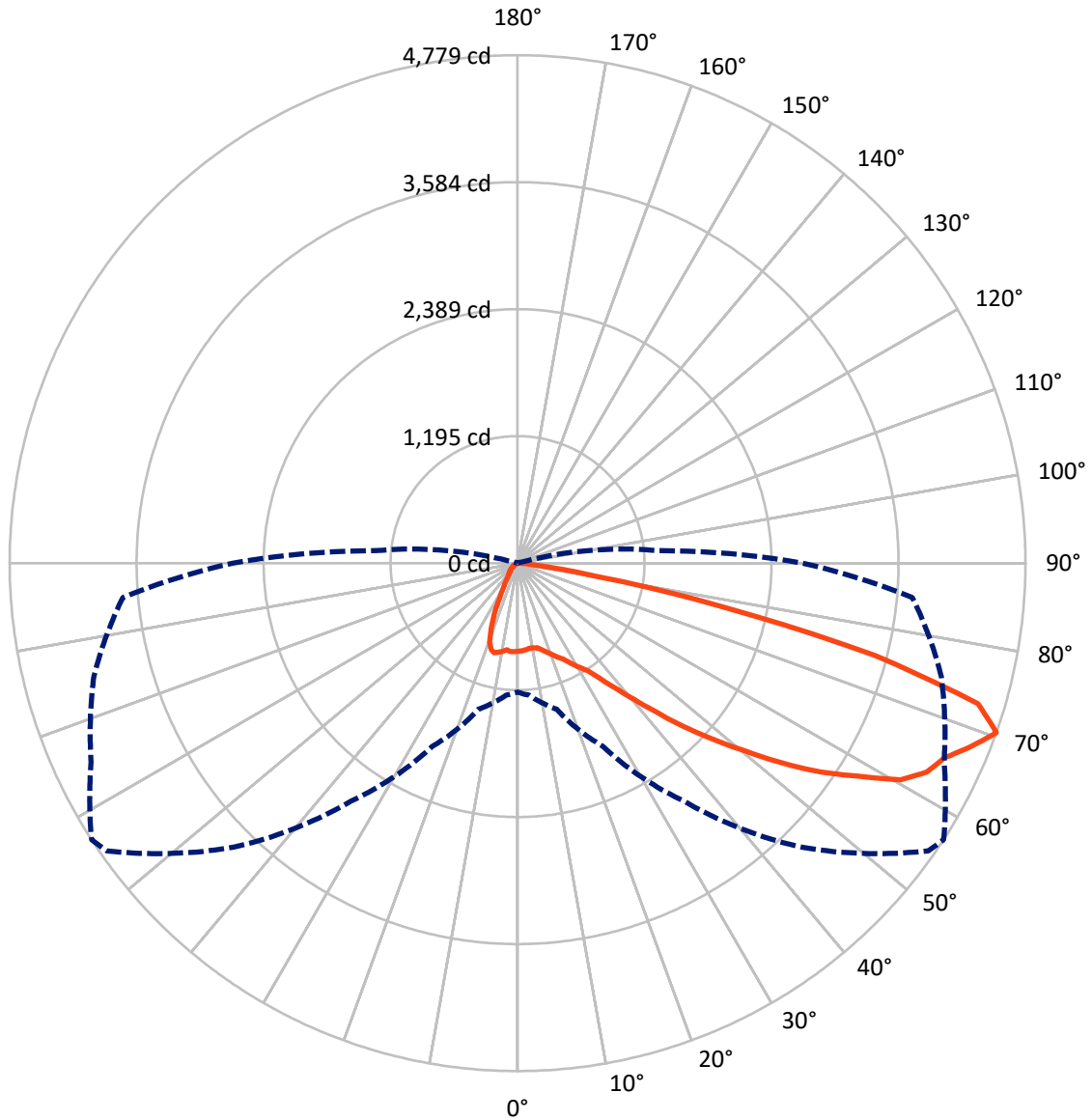
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.7 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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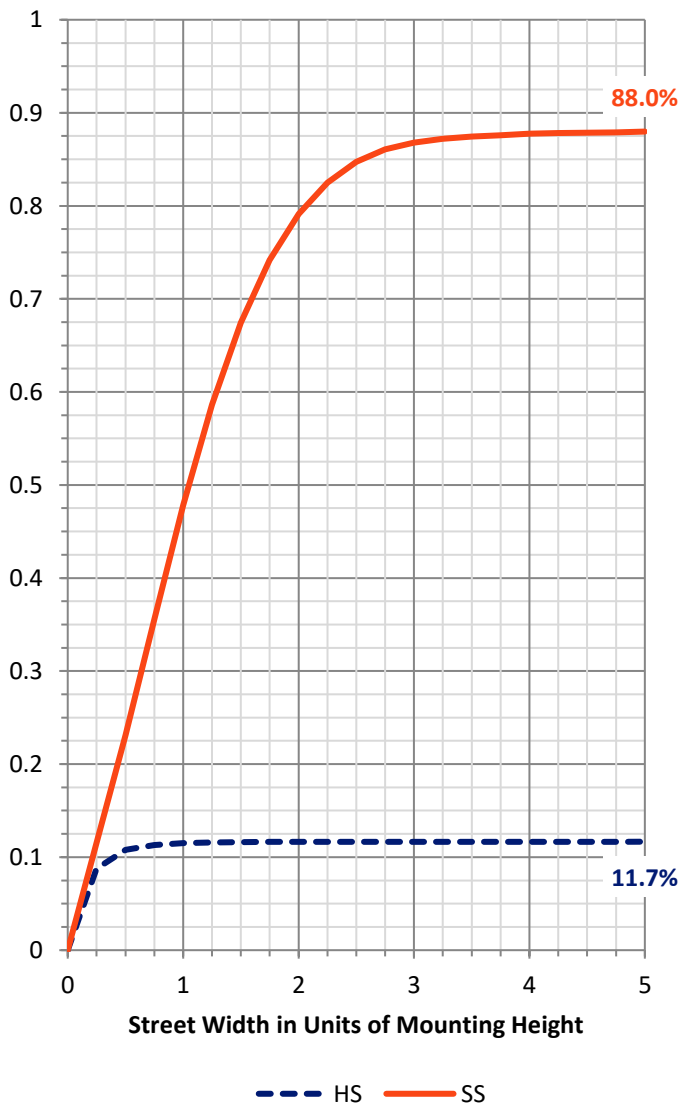
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	792.0	0.0	792.0
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	5927.3	0.0	5927.3
	% Fixture	88.2	0.0	88.2
Total	Lumens	6719.3	0.0	6719.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.5	1.2
10°-20°	216.6	3.2
20°-30°	364.9	5.4
30°-40°	624.5	9.3
40°-50°	1048.6	15.6
50°-60°	1609.5	24.0
60°-70°	1858.3	27.7
70°-80°	877.8	13.1
80°-90°	41.6	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°	6719.3	100.0
0°-180°	6719.3	100.0



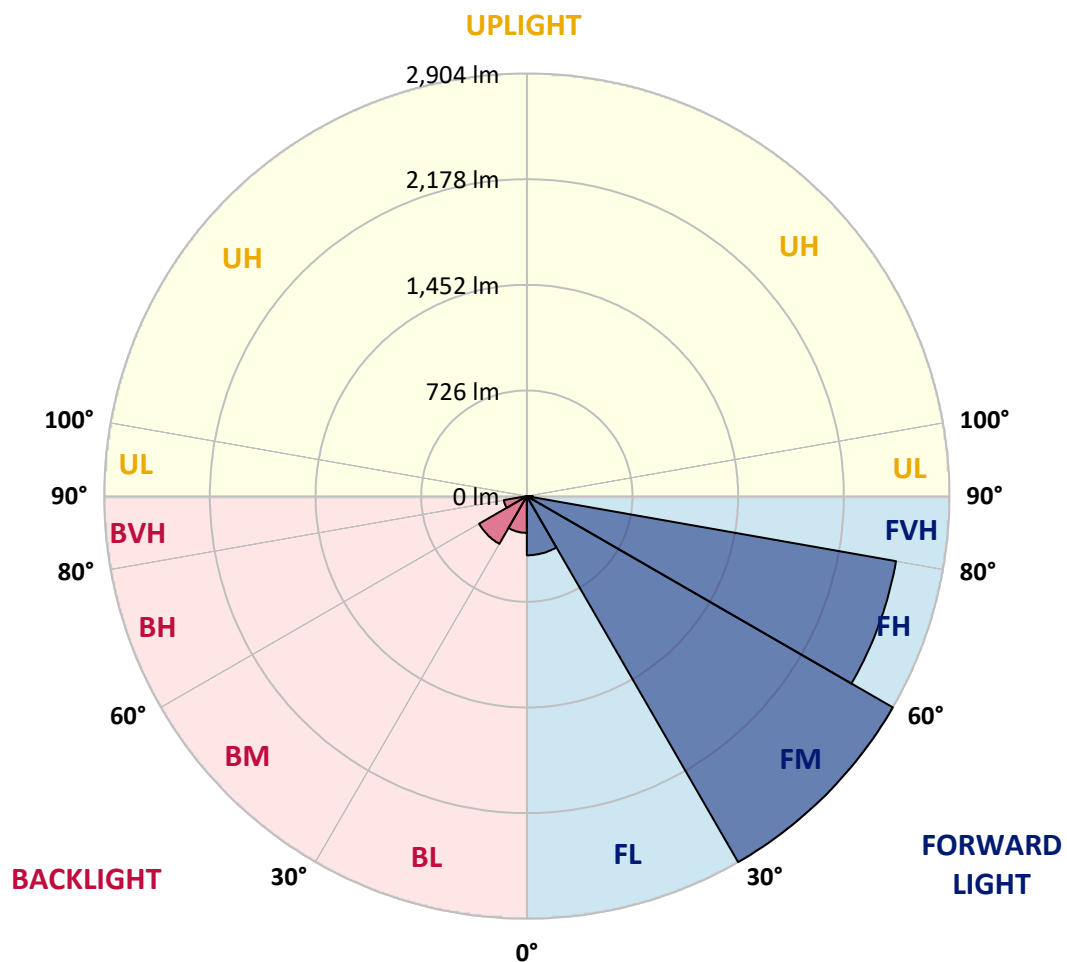
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	406.5	6.0			
FM (30°-60°)	2904.0	43.2			
FH (60°-80°)	2575.9	38.3			G2/5000
FVH (80°-90°)	40.9	0.6			G1/100
BL (0°-30°)	252.5	3.8	B1/500		
BM (30°-60°)	378.6	5.6	B1/1000		
BH (60°-80°)	160.2	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	829.1	829.1	829.1	829.1	829.1	829.1	829.1	829.1	829.1	829.1	829.1
2.5°	817.1	811.9	817.1	823.9	817.1	822.2	820.5	825.6	818.8	818.8	823.9
5°	763.8	772.4	775.9	784.4	793.0	808.5	818.8	818.8	829.1	834.2	841.1
7.5°	745.0	731.2	745.0	751.8	760.4	786.2	801.6	808.5	822.2	841.1	851.4
10°	717.5	727.8	727.8	750.1	762.1	777.6	805.0	810.2	841.1	860.0	870.3
12.5°	715.8	715.8	724.4	739.8	763.8	793.0	827.4	817.1	849.7	884.0	901.2
15°	720.9	733.0	733.0	753.6	772.4	813.6	842.8	844.5	890.9	925.2	940.7
17.5°	743.3	738.1	745.0	757.0	786.2	825.6	873.7	878.9	932.1	978.4	1000.7
20°	789.6	798.2	787.9	781.0	793.0	844.5	906.3	916.6	976.7	1021.3	1043.6
22.5°	963.0	956.1	914.9	866.8	846.2	870.3	937.2	961.2	1031.6	1084.8	1103.7
25°	1158.6	1146.6	1098.6	1026.5	932.1	921.8	999.0	999.0	1100.3	1158.6	1153.5
27.5°	1344.0	1340.6	1284.0	1208.4	1074.5	1000.7	1048.8	1067.7	1177.5	1225.6	1203.3
30°	1532.8	1536.3	1484.8	1393.8	1253.1	1127.8	1119.2	1134.6	1235.9	1311.4	1265.1
32.5°	1752.6	1721.7	1685.6	1560.3	1431.6	1290.8	1210.1	1203.3	1301.1	1369.8	1308.0
35°	1948.2	1929.4	1889.9	1776.6	1629.0	1460.8	1347.5	1330.3	1383.5	1474.5	1407.5
37.5°	2119.9	2101.0	2049.5	1974.0	1859.0	1671.9	1512.3	1486.5	1508.8	1604.9	1524.3
40°	2267.5	2272.7	2258.9	2185.1	2078.7	1908.8	1725.1	1683.9	1665.0	1750.8	1659.9
42.5°	2373.9	2423.7	2427.2	2336.2	2250.4	2157.7	1951.7	1919.1	1874.4	1946.5	1883.0
45°	2597.1	2569.6	2586.8	2554.2	2459.8	2446.0	2212.6	2193.7	2131.9	2155.9	2089.0
47.5°	2772.2	2767.0	2799.6	2746.4	2720.7	2722.4	2509.5	2476.9	2389.4	2434.0	2358.5
50°	2873.4	2846.0	2964.4	3005.6	3000.5	3021.1	2809.9	2782.5	2698.4	2763.6	2602.2
52.5°	2897.5	2947.3	3058.8	3208.2	3271.7	3314.6	3137.8	3127.5	3036.5	3077.7	2854.6
55°	2957.6	3005.6	3070.8	3316.3	3551.5	3561.8	3460.5	3470.8	3390.1	3379.8	3094.9
57.5°	2955.8	2945.5	3125.8	3410.7	3736.9	3884.5	3829.5	3779.8	3692.2	3591.0	3249.4
60°	2847.7	2842.6	3029.7	3422.7	3838.1	4176.3	4198.6	4140.2	3920.5	3771.2	3431.3
62.5°	2633.1	2653.7	2842.6	3319.7	3934.3	4281.0	4363.4	4323.9	4051.0	3891.3	3645.9
65°	2387.7	2344.8	2564.5	3062.3	3718.0	4250.1	4428.6	4414.9	4205.5	4021.8	3843.3
67.5°	1915.6	1934.5	2102.7	2634.9	3348.9	4136.8	4581.4	4602.0	4329.1	4136.8	3903.4
70°	1213.6	1247.9	1423.0	1903.6	2734.4	3779.8	4718.7	4778.8	4426.9	4126.5	3728.3
72.5°	353.6	367.3	605.9	949.2	1742.3	3031.4	4499.0	4529.9	4236.4	3745.4	2883.7
75°	116.7	123.6	178.5	309.0	683.2	1567.2	3323.2	3469.1	3371.2	2715.5	1649.6
77.5°	77.2	80.7	97.8	147.6	259.2	490.9	1781.7	1937.9	1900.2	1271.9	532.1
80°	56.6	58.4	72.1	99.6	157.9	176.8	657.4	760.4	734.7	291.8	106.4
82.5°	36.0	36.0	53.2	70.4	99.6	87.5	190.5	211.1	206.0	111.6	41.2
85°	24.0	25.7	39.5	54.9	54.9	41.2	54.9	63.5	68.7	60.1	18.9
87.5°	6.9	8.6	22.3	37.8	22.3	20.6	18.9	20.6	24.0	32.6	10.3
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°	829.1	829.1	829.1	829.1	829.1	829.1	829.1	829.1	829.1	829.1	829.1
2.5°	829.1	835.9	834.2	837.7	832.5	827.4	832.5	832.5	832.5	827.4	823.9
5°	835.9	832.5	835.9	829.1	835.9	829.1	825.6	815.3	813.6	813.6	820.5
7.5°	846.2	849.7	834.2	834.2	818.8	822.2	813.6	815.3	811.9	806.8	803.3
10°	861.7	875.4	860.0	854.8	837.7	823.9	803.3	793.0	793.0	786.2	793.0
12.5°	904.6	899.5	890.9	873.7	853.1	825.6	775.9	726.1	684.9	654.0	669.4
15°	938.9	937.2	925.2	892.6	865.1	781.0	655.7	527.0	458.3	427.4	422.3
17.5°	992.1	987.0	966.4	923.5	832.5	647.1	449.7	341.6	274.6	259.2	254.0
20°	1041.9	1040.2	995.6	940.7	750.1	472.0	293.5	224.9	206.0	207.7	204.3
22.5°	1095.1	1086.6	1033.3	920.1	597.3	314.1	209.4	200.8	194.0	192.2	195.7
25°	1155.2	1124.3	1071.1	873.7	439.4	216.3	197.4	190.5	183.7	182.0	182.0
27.5°	1179.2	1158.6	1088.3	762.1	278.1	188.8	185.4	176.8	168.2	163.1	161.4
30°	1234.2	1199.8	1105.4	599.1	197.4	173.4	168.2	157.9	145.9	137.3	137.3
32.5°	1289.1	1247.9	1107.2	418.8	164.8	156.2	147.6	133.9	118.4	109.9	111.6
35°	1357.8	1301.1	1088.3	271.2	147.6	137.3	120.2	104.7	91.0	84.1	84.1
37.5°	1474.5	1421.3	1011.0	178.5	133.9	116.7	99.6	82.4	70.4	65.2	65.2
40°	1622.1	1553.4	904.6	140.8	118.4	99.6	79.0	63.5	56.6	51.5	51.5
42.5°	1798.9	1713.1	746.7	125.3	104.7	82.4	61.8	49.8	42.9	42.9	41.2
45°	1975.7	1835.0	585.3	115.0	92.7	68.7	48.1	39.5	36.0	34.3	34.3
47.5°	2228.0	1982.6	418.8	104.7	80.7	53.2	39.5	32.6	29.2	27.5	29.2
50°	2470.1	2121.6	297.0	94.4	66.9	42.9	32.6	29.2	25.7	24.0	24.0
52.5°	2682.9	2217.7	207.7	82.4	56.6	36.0	29.2	25.7	24.0	22.3	22.3
55°	2799.6	2185.1	142.5	70.4	46.3	30.9	25.7	22.3	20.6	18.9	18.9
57.5°	2919.8	2094.2	108.1	58.4	37.8	29.2	24.0	20.6	18.9	17.2	17.2
60°	3021.1	2027.2	84.1	46.3	30.9	24.0	20.6	17.2	15.4	13.7	12.0
62.5°	3026.2	1893.3	61.8	34.3	24.0	20.6	17.2	13.7	8.6	6.9	5.1
65°	3046.8	1752.6	44.6	25.7	17.2	15.4	12.0	6.9	3.4	0.0	0.0
67.5°	2974.7	1586.1	36.0	18.9	12.0	8.6	5.1	1.7	0.0	0.0	0.0
70°	2681.2	1338.9	27.5	13.7	8.6	5.1	1.7	0.0	0.0	0.0	0.0
72.5°	1919.1	870.3	18.9	10.3	3.4	1.7	0.0	0.0	0.0	0.0	0.0
75°	1023.0	370.8	13.7	6.9	1.7	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	321.0	94.4	8.6	3.4	1.7	0.0	0.0	0.0	0.0	0.0	0.0
80°	70.4	25.7	5.1	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	24.0	10.3	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	8.6	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)