

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: P674758

Luminaire Tested: **CCP-SA-1B-835-U-T3R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674758
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1B-835-U-T3R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @450mA w/ T3R distribution lens and House Side Shield
Light Source: (16) 3500K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

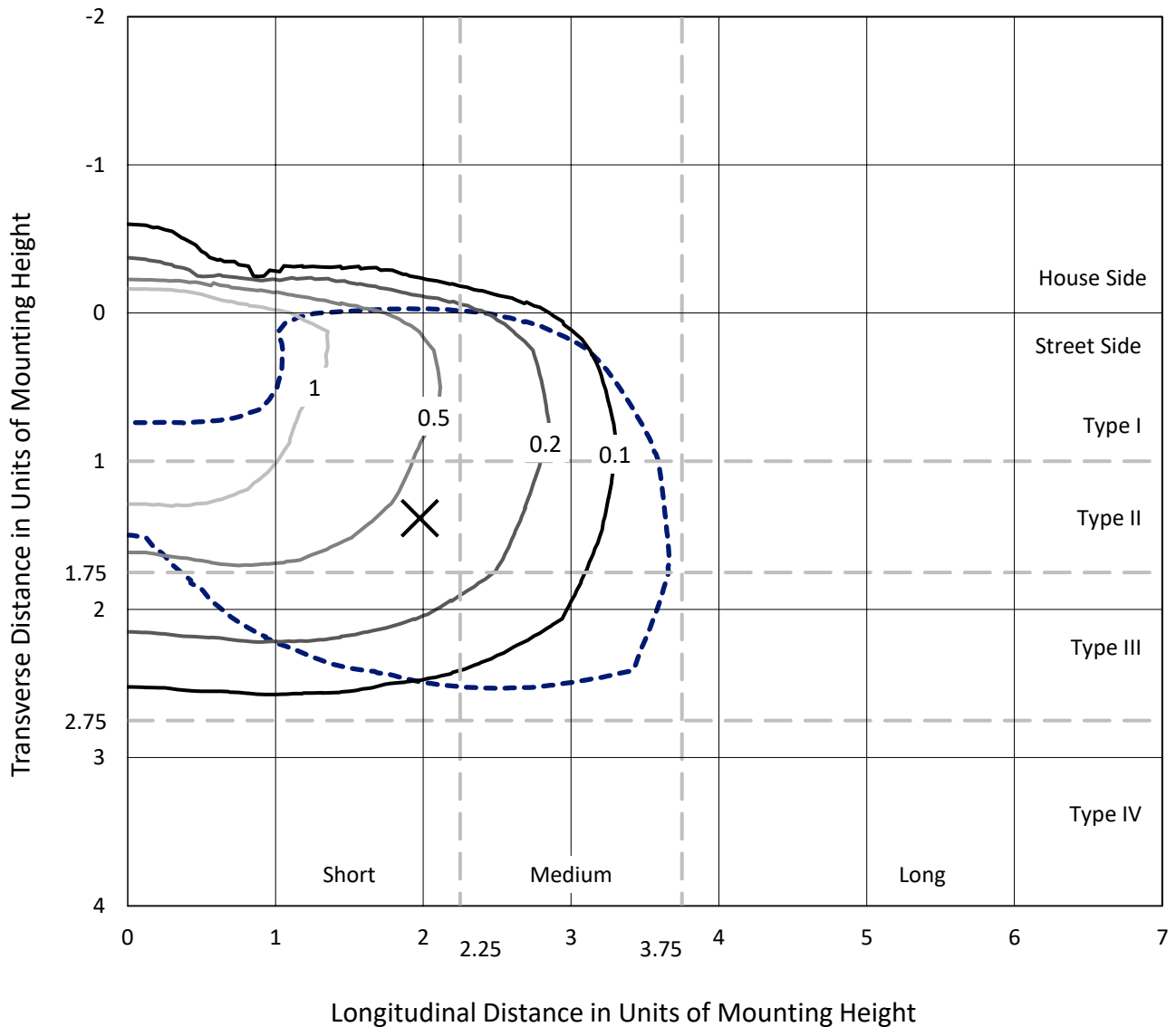
Lumens per Lamp: N/A
Luminaire Lumens: 2256.9 lumens
Efficiency: N/A
Efficacy: 94.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G1

Input Watts (W): 24
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

REPORT NUMBER: P674758
 CATALOG NUMBER: CCP-SA-1B-835-U-T3R-HSS

Iso-Footcandle Lines of Horizontal Illumination

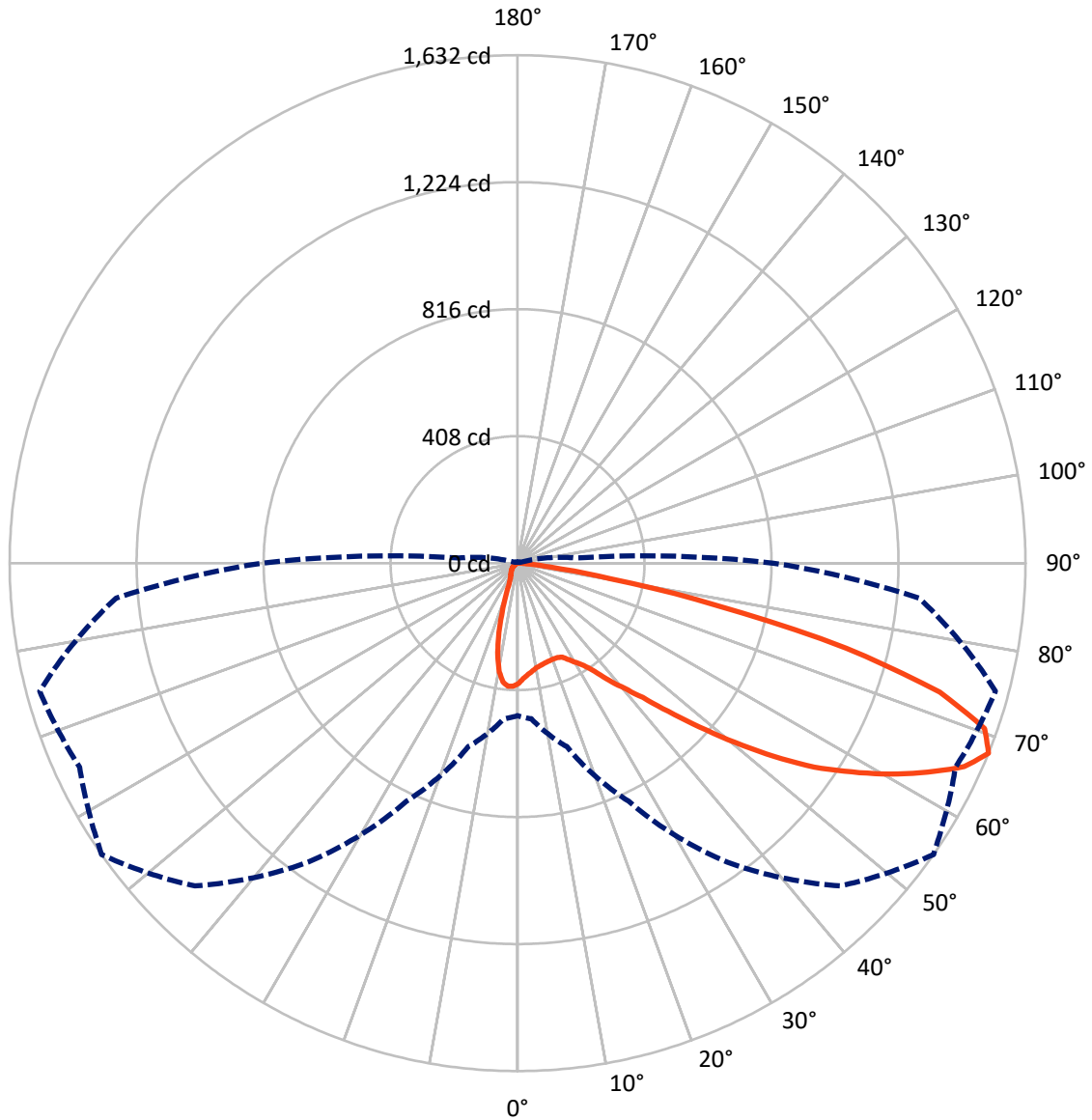
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.9 fc
 Type III - Short - N/A

REPORT NUMBER: P674758
CATALOG NUMBER: CCP-SA-1B-835-U-T3R-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P674758

CATALOG NUMBER: CCP-SA-1B-835-U-T3R-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	202.7	0.0	202.7
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	2054.2	0.0	2054.2
	% Fixture	91.0	0.0	91.0
Total	Lumens	2256.9	0.0	2256.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.9	1.5
10°-20°	77.3	3.4
20°-30°	124.0	5.5
30°-40°	215.1	9.5
40°-50°	358.6	15.9
50°-60°	524.4	23.2
60°-70°	611.4	27.1
70°-80°	296.7	13.1
80°-90°	15.5	0.7
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°	2256.9	100.0
0°-180°	2256.9	100.0



REPORT NUMBER: P674758

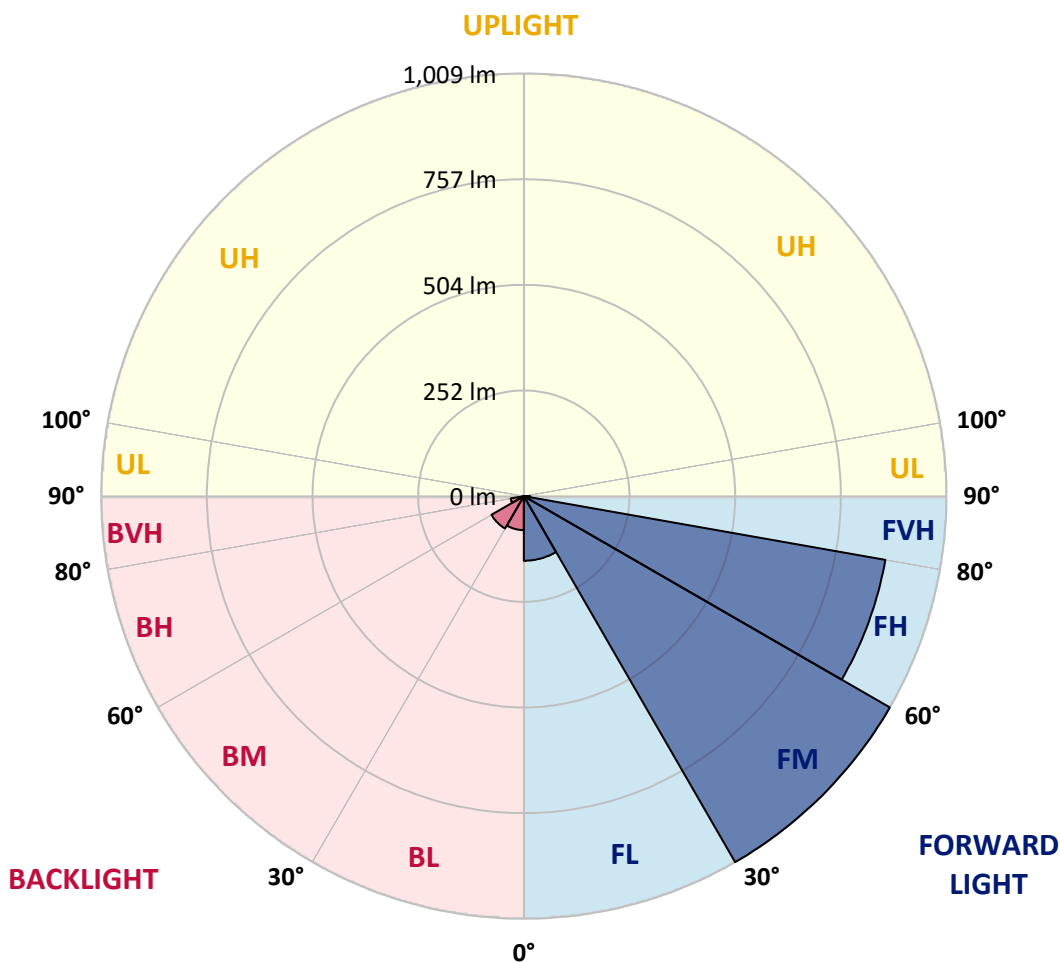
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	154.2	6.8			
FM (30°-60°)	1008.8	44.7			
FH (60°-80°)	876.2	38.8			G1/1800
FVH (80°-90°)	15.1	0.7			G1/100
BL (0°-30°)	81.1	3.6	B0/110		
BM (30°-60°)	89.3	4.0	B0/220		
BH (60°-80°)	32.0	1.4	B0/110		G0/110
BVH (80°-90°)	0.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type III Short





REPORT NUMBER: P674758

CATALOG NUMBER: CCP-SA-1B-835-U-T3R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	386.8	386.8	386.8	386.8	386.8	386.8	386.8	386.8	386.8	386.8	386.8
2.5°	357.0	359.3	362.2	363.3	366.8	371.8	370.3	369.3	374.9	382.6	385.1
5°	334.8	335.0	339.6	342.9	348.9	353.7	358.9	358.5	368.7	381.8	390.1
7.5°	313.0	313.4	318.2	323.4	332.1	341.4	349.3	348.9	365.4	382.8	398.6
10°	284.3	286.3	292.2	301.3	315.0	329.8	340.8	341.9	361.6	386.8	410.3
12.5°	261.2	262.2	268.7	280.5	296.7	316.1	336.7	336.0	362.4	394.1	425.5
15°	251.4	250.8	254.7	263.5	282.0	306.3	332.5	334.0	365.4	402.4	441.3
17.5°	253.7	253.1	255.1	258.3	271.4	298.2	330.2	332.7	369.9	411.1	456.0
20°	279.1	274.7	271.0	267.6	269.5	291.5	328.8	331.5	372.6	417.8	471.6
22.5°	327.9	322.5	312.5	294.0	281.8	292.0	329.2	332.7	378.7	428.6	490.5
25°	407.6	402.4	381.0	343.1	310.7	306.9	334.8	338.5	392.6	445.0	510.7
27.5°	513.0	501.4	475.4	421.1	358.5	330.8	351.6	355.8	412.4	457.7	524.4
30°	600.5	597.8	572.9	506.3	424.4	366.0	370.6	372.8	421.3	465.4	538.2
32.5°	691.4	685.8	662.9	598.3	500.9	416.1	391.8	392.8	432.9	476.8	558.1
35°	770.4	765.2	746.1	683.3	590.4	483.5	426.9	424.6	457.1	502.0	585.2
37.5°	843.6	843.0	826.2	762.1	670.6	553.3	478.7	476.8	494.7	529.6	621.8
40°	915.2	913.5	899.2	840.7	749.6	623.0	528.0	523.2	526.7	568.3	670.0
42.5°	959.0	962.6	967.6	930.6	843.4	704.7	590.4	587.4	586.8	628.8	733.4
45°	982.7	989.0	1018.3	1015.0	942.8	806.4	679.1	671.7	669.2	712.0	806.0
47.5°	1005.8	1008.5	1056.6	1076.7	1038.1	912.5	786.4	776.1	765.9	813.5	892.7
50°	1007.3	1011.7	1071.1	1120.2	1117.9	1016.9	906.8	897.7	886.1	937.0	977.3
52.5°	986.9	995.6	1069.3	1147.6	1167.4	1109.0	1031.8	1024.3	1014.8	1052.8	1048.7
55°	846.1	860.9	1032.7	1150.1	1202.1	1188.0	1157.4	1147.0	1137.7	1164.7	1118.5
57.5°	779.2	787.5	921.6	1148.3	1246.4	1261.2	1266.4	1261.6	1248.5	1282.2	1191.5
60°	739.0	751.1	868.6	1127.5	1294.2	1343.9	1376.6	1367.0	1351.0	1397.4	1269.7
62.5°	691.0	699.7	815.8	1067.6	1322.7	1428.2	1479.9	1471.2	1438.1	1503.6	1332.9
65°	602.4	615.5	731.8	973.4	1284.5	1489.9	1577.3	1574.4	1517.0	1583.9	1350.2
67.5°	490.3	502.2	610.5	844.3	1172.6	1466.8	1632.4	1623.2	1552.7	1589.9	1295.5
70°	368.1	374.5	456.2	645.0	960.7	1343.5	1592.4	1590.6	1498.5	1500.5	1127.7
72.5°	197.5	215.4	303.4	431.7	675.6	1088.2	1419.2	1411.7	1336.9	1229.0	811.0
75°	69.0	74.2	161.6	242.5	367.0	724.9	1091.3	1073.8	999.8	799.3	441.9
77.5°	42.4	46.6	71.7	123.9	142.9	314.6	655.7	633.0	585.2	345.6	151.0
80°	29.3	33.1	48.0	64.9	48.7	101.9	301.7	293.2	225.6	82.3	34.7
82.5°	16.4	19.8	36.4	31.8	19.5	26.4	104.6	96.9	60.1	22.3	11.6
85°	9.6	11.4	25.6	22.5	10.0	9.4	27.2	24.3	15.6	8.3	5.6
87.5°	5.0	6.4	18.7	15.0	6.0	3.3	6.2	6.0	4.0	2.9	3.7
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: P674758
 CATALOG NUMBER: CCP-SA-1B-835-U-T3R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	386.8	386.8	386.8	386.8	386.8	386.8	386.8	386.8	386.8	386.8	386.8
2.5°	389.7	388.6	394.1	395.9	395.5	394.7	396.8	394.1	393.8	393.2	392.6
5°	396.8	398.4	402.8	402.8	397.0	387.4	381.6	373.7	367.0	363.1	362.4
7.5°	407.4	410.7	413.6	404.7	384.7	361.0	335.8	316.1	298.8	289.9	289.0
10°	422.3	425.5	423.2	397.6	354.8	305.7	264.7	223.5	203.0	191.7	191.7
12.5°	440.2	442.7	428.8	379.9	305.5	234.4	179.7	136.4	115.8	102.5	101.7
15°	459.6	460.2	428.0	349.1	244.5	157.4	103.1	75.7	67.0	65.1	64.7
17.5°	476.4	473.9	419.2	303.6	176.1	93.8	65.5	59.3	57.6	57.6	57.6
20°	492.2	483.9	401.7	250.6	112.9	63.8	56.4	54.7	54.7	54.9	54.9
22.5°	509.7	493.2	376.8	191.7	72.6	54.7	52.8	52.0	51.8	52.4	52.2
25°	530.3	502.4	341.0	132.5	56.1	50.9	50.1	49.3	49.3	49.3	49.3
27.5°	541.7	501.1	300.3	83.6	49.1	47.2	46.4	45.5	44.9	44.7	44.9
30°	551.7	493.9	247.0	58.4	44.3	42.2	41.6	40.5	39.3	38.9	38.9
32.5°	564.8	487.8	191.3	47.0	40.1	37.8	36.0	34.3	32.2	31.4	31.2
35°	579.3	476.8	140.2	41.4	36.4	33.5	30.6	27.9	25.2	24.3	24.1
37.5°	597.4	466.8	95.0	38.3	33.3	29.7	25.8	22.0	19.5	19.1	19.1
40°	622.0	458.5	65.7	35.6	30.4	26.2	21.4	17.5	15.8	15.4	15.4
42.5°	655.4	451.7	49.7	33.3	27.9	22.7	17.3	14.3	13.1	12.7	12.7
45°	695.0	441.1	42.0	31.2	25.4	19.1	14.3	12.1	11.4	11.4	11.4
47.5°	740.3	427.7	38.3	29.1	22.7	15.6	12.1	11.0	10.8	10.8	11.0
50°	786.0	411.9	35.6	26.6	19.5	13.3	11.0	10.4	10.4	10.6	10.6
52.5°	817.0	387.2	32.9	23.9	16.4	11.6	10.4	10.2	10.0	10.0	10.0
55°	847.2	365.6	29.1	21.0	13.7	10.8	10.0	9.8	9.8	9.6	9.6
57.5°	878.6	348.5	24.3	17.5	11.6	10.2	9.6	9.6	9.1	8.9	8.9
60°	915.0	333.5	18.7	13.7	10.2	9.6	8.9	8.7	8.3	7.9	7.9
62.5°	925.6	301.9	14.1	11.0	8.7	8.3	8.1	7.7	6.7	5.8	6.0
65°	897.9	252.2	11.2	8.7	7.1	7.1	6.4	5.4	4.4	3.7	3.7
67.5°	821.6	188.4	9.1	6.9	5.6	5.4	4.6	4.0	2.7	2.3	2.3
70°	677.1	124.6	7.5	5.4	4.6	3.7	3.1	2.9	2.1	1.7	1.7
72.5°	474.5	67.6	6.2	4.4	3.3	2.5	2.1	1.9	1.5	1.2	1.0
75°	250.6	26.0	5.0	3.3	2.1	1.7	1.2	1.2	1.0	0.8	0.8
77.5°	85.9	11.0	3.5	1.9	1.5	1.0	0.8	0.6	0.8	0.6	0.6
80°	20.4	6.4	2.3	1.2	0.8	0.6	0.6	0.4	0.4	0.4	0.4
82.5°	8.9	3.7	1.5	0.8	0.8	0.6	0.4	0.2	0.2	0.2	0.2
85°	6.0	2.3	1.0	0.8	0.6	0.4	0.2	0.2	0.0	0.0	0.0
87.5°	4.8	1.5	0.8	0.8	0.6	0.4	0.2	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)