

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: P672010

Luminaire Tested: **CCP-SA-1A-830-U-AFL**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P672010
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1A-830-U-AFL
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ AFL
distribution lens
Light Source: (16) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2193.8 lumens
Efficiency: N/A
Efficacy: 121.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G1

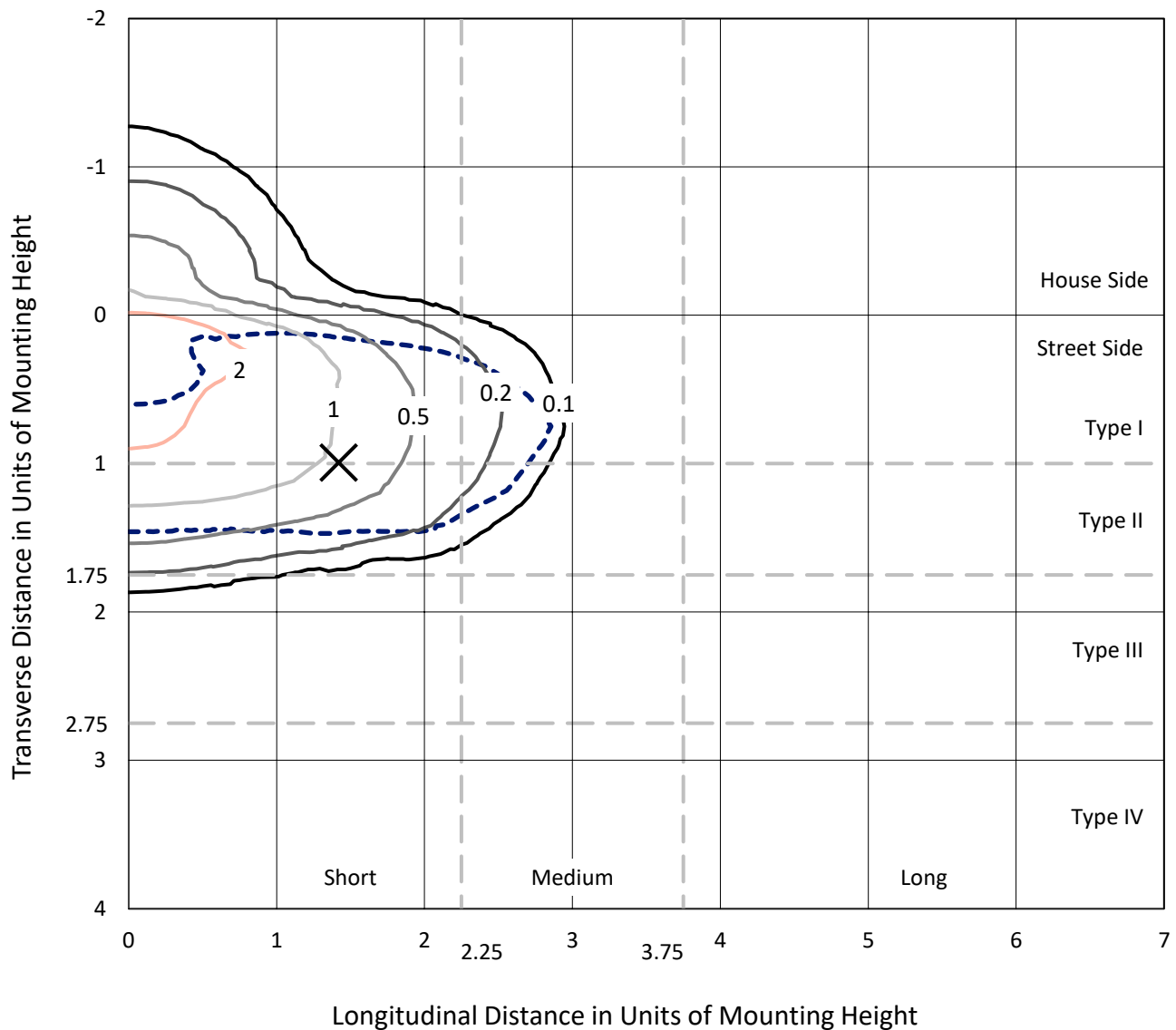
Input Watts (W): 18
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

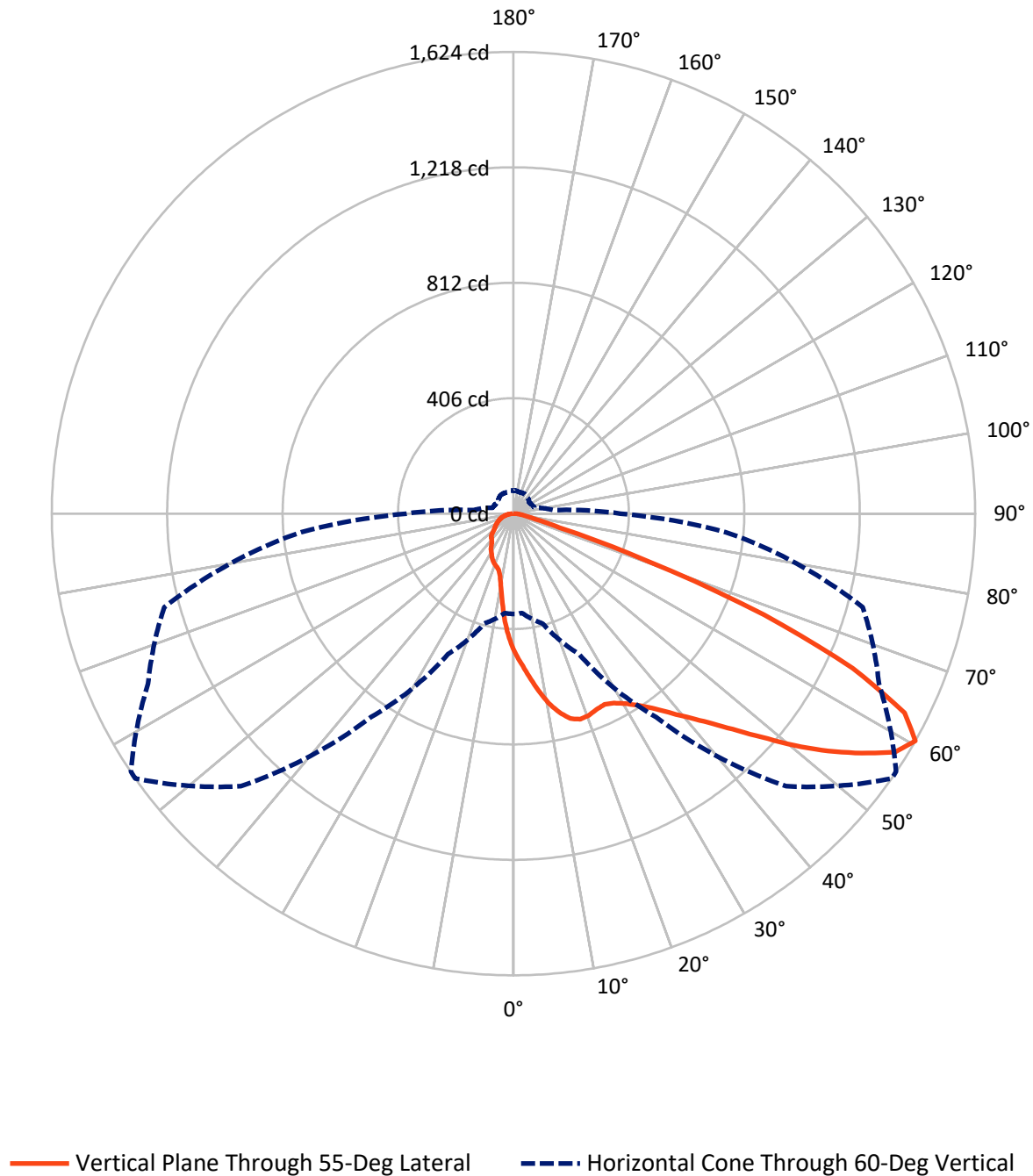
× Max cd
- - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	315.4	0.0	315.4
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	1878.4	0.0	1878.4
	% Fixture	85.6	0.0	85.6
Total	Lumens	2193.8	0.0	2193.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.5	2.1
10°-20°	129.0	5.9
20°-30°	210.0	9.6
30°-40°	313.9	14.3
40°-50°	461.4	21.0
50°-60°	540.8	24.6
60°-70°	356.6	16.3
70°-80°	113.5	5.2
80°-90°	23.1	1.1
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°	2193.8	100.0
0°-180°	2193.8	100.0



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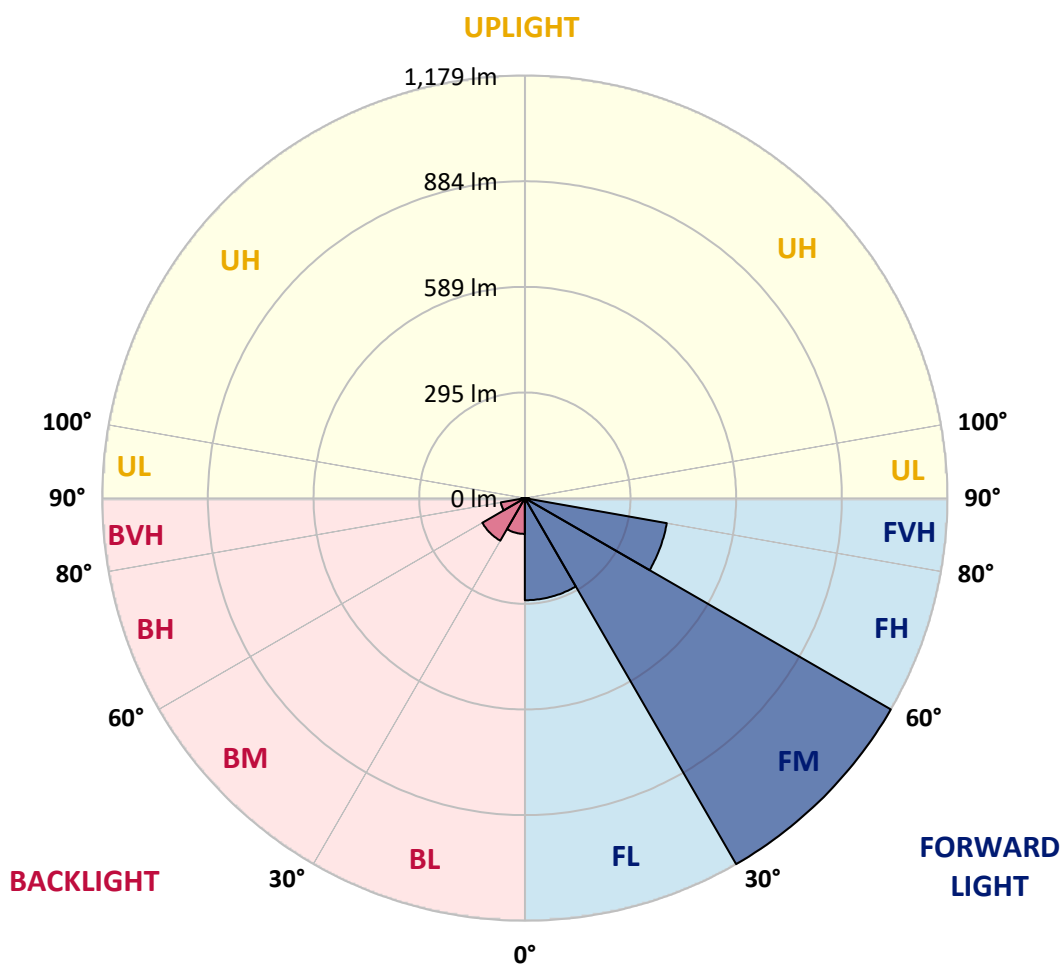
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	284.7	13.0			
FM	(30°-60°)	1179.0	53.7			
FH	(60°-80°)	402.0	18.3			G0/660
FVH	(80°-90°)	12.7	0.6			G1/100
BL	(0°-30°)	99.8	4.6	B0/110		
BM	(30°-60°)	137.1	6.2	B0/220		
BH	(60°-80°)	68.1	3.1	B0/110		G0/110
BVH	(80°-90°)	10.4	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	486.5	486.5	486.5	486.5	486.5	486.5	486.5	486.5	486.5	486.5	486.5
2.5°	566.2	564.1	564.1	558.9	551.1	540.3	527.4	524.2	519.3	506.7	490.5
5°	652.5	650.3	647.3	638.1	623.6	602.0	574.8	569.8	552.2	526.3	497.0
7.5°	709.6	708.3	707.4	699.4	685.1	663.8	627.4	621.8	591.9	549.0	503.2
10°	703.7	707.5	714.2	719.8	722.6	711.7	677.5	671.0	633.9	575.4	512.4
12.5°	648.5	654.0	666.4	689.1	715.3	736.5	717.1	713.4	678.8	603.4	524.1
15°	607.5	609.8	615.8	632.6	671.8	728.2	747.8	744.4	720.6	639.3	537.4
17.5°	594.8	595.8	597.2	602.8	629.5	695.9	760.3	763.5	761.1	676.7	552.5
20°	601.2	601.8	602.0	602.9	615.6	668.9	757.0	762.4	796.7	714.1	567.5
22.5°	625.7	624.9	623.7	620.1	627.2	664.1	748.1	756.7	824.2	748.1	581.3
25°	668.4	667.3	659.5	651.9	654.9	681.3	743.3	752.5	845.7	780.2	591.5
27.5°	719.3	718.2	710.2	695.8	692.6	709.9	754.4	760.2	861.4	808.7	595.9
30°	772.1	772.1	762.2	745.5	735.4	742.7	774.9	779.6	873.4	836.2	598.8
32.5°	829.6	831.2	816.0	796.9	785.6	781.3	803.7	807.7	890.7	868.6	604.8
35°	903.6	900.1	881.5	856.4	838.2	828.5	839.3	844.0	916.1	909.0	614.5
37.5°	986.7	980.5	957.6	927.6	895.9	879.7	886.9	888.0	953.8	961.6	632.2
40°	1055.4	1054.3	1034.9	1006.4	966.5	944.8	941.3	941.9	1006.1	1023.9	658.9
42.5°	1113.3	1109.2	1105.7	1095.6	1053.4	1017.6	1003.3	1003.4	1062.9	1088.3	685.8
45°	1138.9	1138.1	1148.4	1174.2	1143.8	1101.7	1081.3	1084.2	1127.9	1154.5	711.7
47.5°	1127.9	1128.6	1156.2	1223.8	1241.8	1209.5	1173.4	1171.6	1190.9	1205.2	734.6
50°	1030.0	1040.3	1115.2	1228.4	1306.0	1322.1	1281.4	1274.8	1246.1	1245.6	748.6
52.5°	956.0	955.6	1001.5	1181.5	1328.7	1423.7	1387.1	1372.5	1291.7	1268.3	749.7
55°	856.2	855.6	889.7	1044.3	1283.6	1494.6	1486.8	1468.5	1333.5	1275.8	742.0
57.5°	648.4	660.5	694.5	836.0	1140.5	1483.3	1582.0	1566.8	1374.4	1272.4	740.6
60°	352.8	351.4	400.7	544.9	873.2	1355.1	1623.5	1622.7	1417.8	1271.2	749.4
62.5°	162.7	161.1	170.9	242.6	500.7	1085.6	1543.4	1554.8	1458.0	1259.6	748.6
65°	121.6	117.5	104.1	112.9	191.6	648.1	1310.9	1341.5	1396.0	1211.9	713.9
67.5°	108.4	104.5	88.9	83.3	96.2	228.6	951.0	979.1	1167.4	1122.5	657.8
70°	99.4	95.9	80.3	71.5	72.2	101.3	497.8	553.1	855.6	936.8	560.6
72.5°	90.6	87.6	73.5	63.0	60.7	66.9	169.6	204.6	532.2	682.7	418.0
75°	81.4	78.5	66.1	56.4	52.2	49.6	80.8	87.0	281.4	377.0	224.3
77.5°	70.8	69.2	59.0	49.8	46.1	37.5	53.7	56.4	120.5	148.0	106.8
80°	61.5	60.3	52.6	45.2	41.3	28.9	37.0	39.0	59.5	73.9	59.8
82.5°	40.1	43.2	43.6	38.8	36.4	23.2	24.5	25.9	39.4	43.6	26.1
85°	16.5	20.0	30.1	26.7	25.3	19.7	16.2	16.5	24.2	25.4	9.4
87.5°	7.5	8.3	14.8	14.9	13.0	7.5	8.1	8.9	12.4	12.2	4.1
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°	486.5	486.5	486.5	486.5	486.5	486.5	486.5	486.5	486.5	486.5	486.5
2.5°	486.1	478.7	465.7	449.0	437.1	428.3	418.8	411.8	404.0	397.2	398.3
5°	484.9	470.8	441.5	410.5	380.3	355.5	334.8	319.6	303.8	297.6	296.8
7.5°	485.9	461.9	413.9	363.1	317.2	285.6	261.5	247.1	238.0	232.8	233.1
10°	485.6	453.5	384.0	314.0	263.8	234.8	220.2	215.4	214.6	215.3	216.2
12.5°	486.1	442.0	350.4	269.8	225.5	210.7	211.3	215.6	218.3	220.1	221.2
15°	488.1	432.6	316.1	235.0	205.4	205.9	212.7	219.4	223.4	225.3	226.3
17.5°	491.1	420.9	285.6	208.6	197.0	204.3	213.2	220.4	223.4	224.5	225.3
20°	491.5	407.3	254.7	190.5	191.4	201.0	208.8	214.5	218.3	219.6	220.2
22.5°	490.0	389.1	223.1	177.3	185.1	194.6	201.3	207.8	202.7	198.6	197.5
25°	484.0	366.0	196.0	166.5	177.1	186.0	193.7	186.5	184.1	180.9	181.3
27.5°	470.9	337.2	170.6	156.3	167.7	180.5	174.9	173.9	170.9	167.7	167.7
30°	453.8	306.9	149.3	145.6	156.5	162.8	164.1	162.7	160.9	156.8	157.1
32.5°	438.4	274.7	134.2	136.7	149.3	149.3	154.9	154.9	148.5	136.9	136.9
35°	423.1	244.5	123.1	129.3	137.5	140.2	147.9	137.9	128.8	123.5	123.2
37.5°	411.2	218.8	115.7	122.9	126.1	132.9	133.1	125.8	122.7	118.0	117.5
40°	404.2	197.2	111.3	119.7	120.0	126.4	115.9	118.0	117.3	113.7	113.2
42.5°	400.4	180.5	108.0	117.0	115.4	109.2	107.3	110.8	111.9	110.0	109.2
45°	397.3	167.4	105.3	107.6	111.8	100.5	99.7	102.4	104.8	104.6	104.0
47.5°	395.7	158.4	102.9	101.8	102.6	95.2	93.6	94.9	97.9	99.8	99.7
50°	389.5	151.4	99.4	95.7	90.6	90.6	89.8	89.8	93.5	97.3	97.6
52.5°	378.6	143.1	94.3	90.0	84.1	86.7	87.0	86.3	90.2	94.3	94.6
55°	366.5	136.9	87.4	84.7	78.7	83.0	84.4	83.8	86.3	89.2	89.0
57.5°	366.6	136.7	81.6	79.5	73.6	78.4	81.9	82.0	81.9	84.0	84.0
60°	375.9	139.9	77.0	72.5	67.7	73.5	79.2	79.2	78.1	81.1	81.4
62.5°	378.6	139.6	74.1	65.8	62.5	69.0	75.2	76.2	75.4	79.7	80.1
65°	354.7	132.1	71.2	59.8	57.7	64.1	70.3	73.0	72.2	77.7	78.4
67.5°	321.7	122.4	66.8	54.4	52.8	59.3	65.2	68.1	67.9	75.2	75.5
70°	277.3	110.5	61.2	48.8	48.0	53.7	59.0	62.0	63.4	71.9	71.7
72.5°	214.8	94.8	52.8	42.9	42.8	48.0	52.6	56.0	58.7	66.8	66.8
75°	138.5	74.6	43.1	37.2	36.6	41.5	46.3	50.1	58.4	71.2	71.1
77.5°	84.6	56.9	34.7	31.0	30.8	35.3	40.1	46.6	63.8	63.4	61.7
80°	50.7	40.9	27.7	24.8	24.8	28.9	34.2	49.9	52.9	60.4	57.1
82.5°	26.4	25.1	20.7	18.3	19.1	22.7	31.2	39.9	43.2	36.7	33.7
85°	10.8	13.4	12.7	11.6	12.1	15.7	30.1	32.0	25.6	26.9	27.0
87.5°	3.7	5.9	5.9	4.6	5.1	11.1	17.8	10.7	12.9	7.6	5.7
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)