

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: P676379

Luminaire Tested: **CCW-SA-1F-722-U-T3-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676379
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1F-722-U-T3-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @1200mA w/
T3 distribution lens and House Side Shield
Light Source: (16) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3978.7 lumens
Efficiency: N/A
Efficacy: 59.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

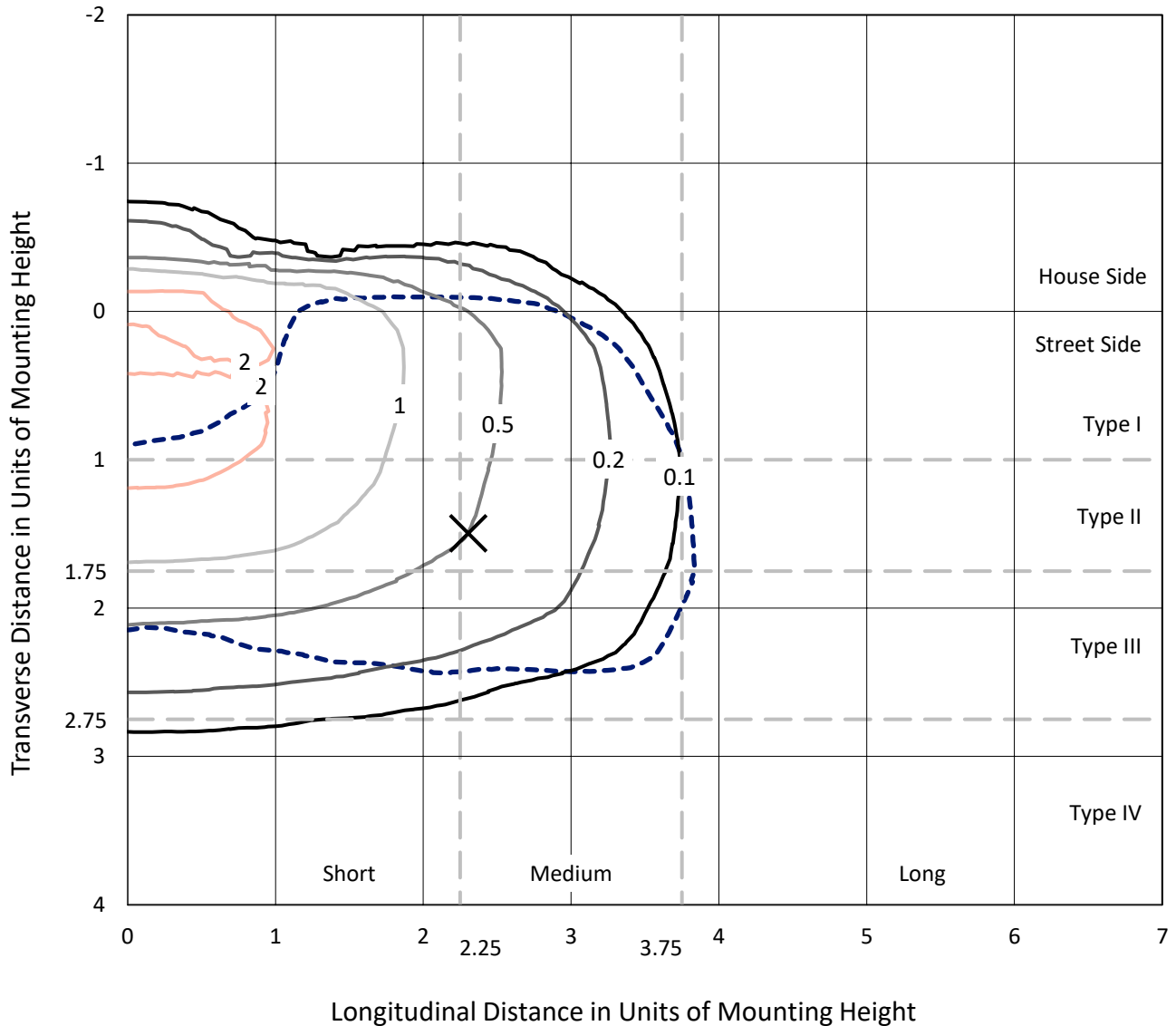
Input Watts (W): 67
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

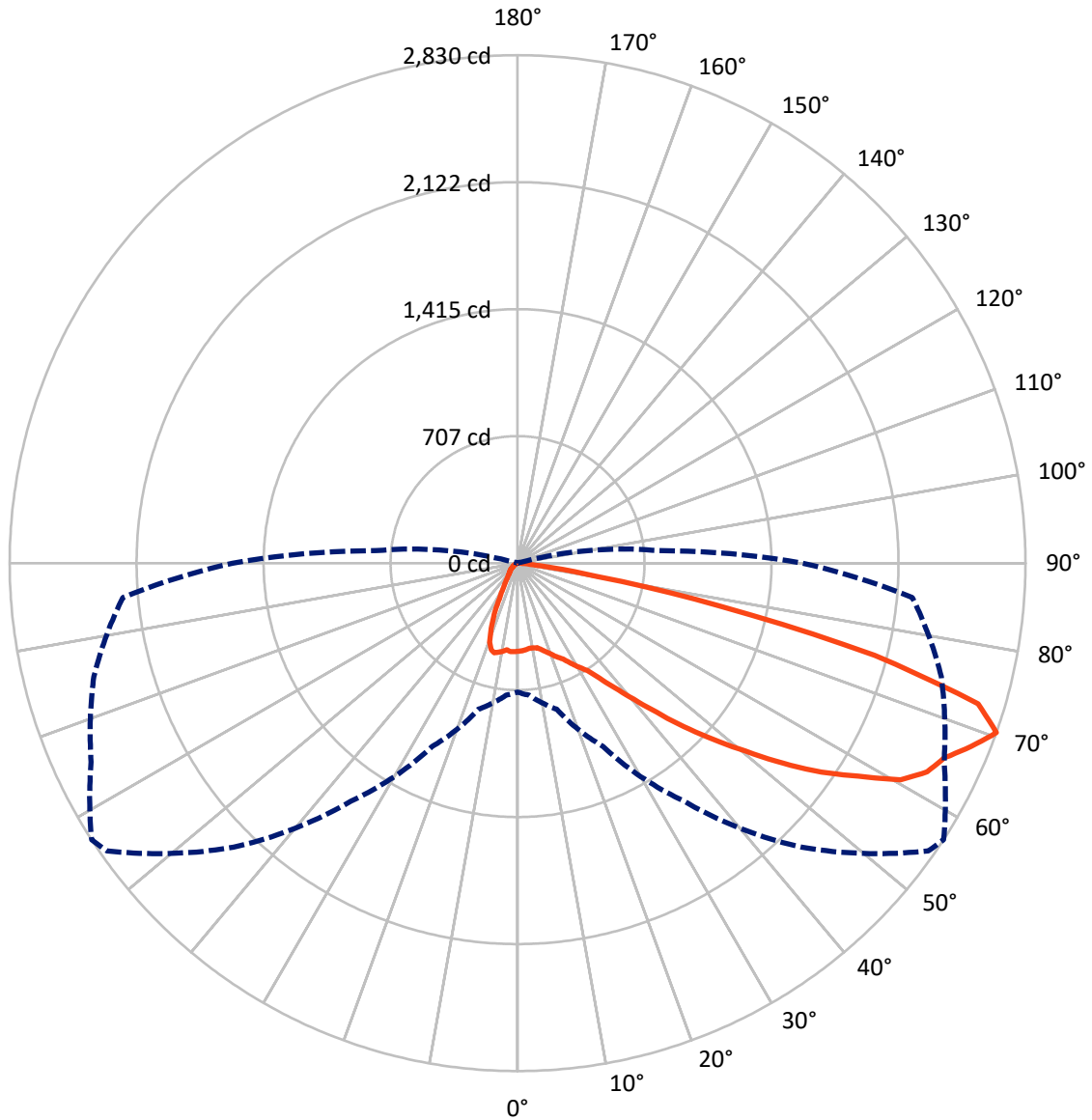
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.8 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	469.0	0.0	469.0
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	3509.7	0.0	3509.7
	% Fixture	88.2	0.0	88.2
Total	Lumens	3978.7	0.0	3978.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.9	1.2
10°-20°	128.3	3.2
20°-30°	216.1	5.4
30°-40°	369.8	9.3
40°-50°	620.9	15.6
50°-60°	953.0	24.0
60°-70°	1100.3	27.7
70°-80°	519.8	13.1
80°-90°	24.7	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°	3978.7	100.0
0°-180°	3978.7	100.0

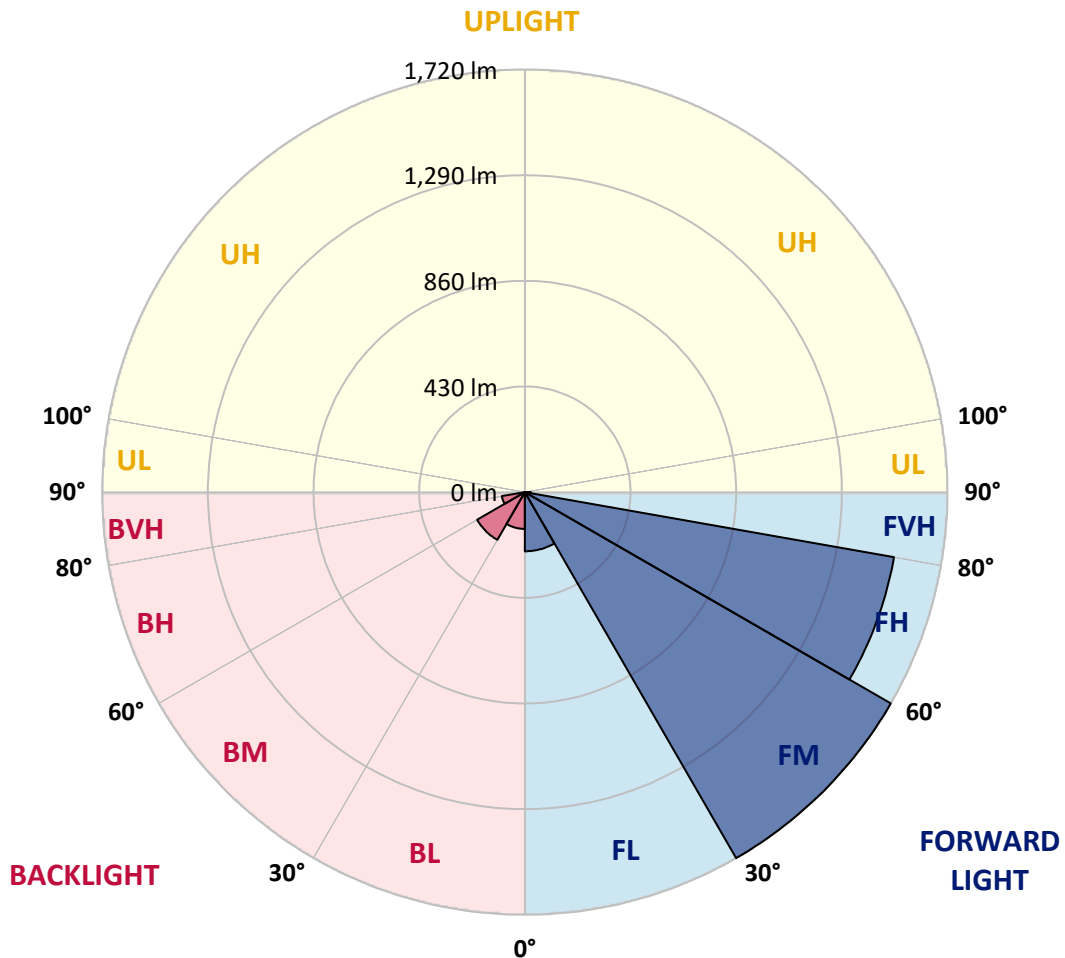


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	240.7	6.0			
FM (30°-60°)	1719.5	43.2			
FH (60°-80°)	1525.3	38.3			G1/1800
FVH (80°-90°)	24.2	0.6			G1/100
BL (0°-30°)	149.5	3.8	B1/500		
BM (30°-60°)	224.2	5.6	B1/1000		
BH (60°-80°)	94.8	2.4	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: B1-U0-G1
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	490.9	490.9	490.9	490.9	490.9	490.9	490.9	490.9	490.9	490.9	490.9
2.5°	483.8	480.8	483.8	487.9	483.8	486.9	485.8	488.9	484.8	484.8	487.9
5°	452.3	457.4	459.4	464.5	469.6	478.7	484.8	484.8	490.9	494.0	498.0
7.5°	441.1	433.0	441.1	445.2	450.3	465.5	474.7	478.7	486.9	498.0	504.1
10°	424.9	431.0	431.0	444.2	451.3	460.4	476.7	479.7	498.0	509.2	515.3
12.5°	423.8	423.8	428.9	438.1	452.3	469.6	489.9	483.8	503.1	523.4	533.6
15°	426.9	434.0	434.0	446.2	457.4	481.8	499.0	500.1	527.5	547.8	557.0
17.5°	440.1	437.0	441.1	448.2	465.5	488.9	517.3	520.4	551.9	579.3	592.6
20°	467.5	472.6	466.5	462.5	469.6	500.1	536.7	542.8	578.3	604.8	618.0
22.5°	570.2	566.1	541.7	513.3	501.1	515.3	554.9	569.2	610.9	642.4	653.5
25°	686.1	678.9	650.5	607.8	551.9	545.8	591.5	591.5	651.5	686.1	683.0
27.5°	795.8	793.8	760.3	715.5	636.3	592.6	621.0	632.2	697.2	725.7	712.5
30°	907.6	909.7	879.2	825.3	742.0	667.8	662.7	671.8	731.8	776.5	749.1
32.5°	1037.7	1019.4	998.1	923.9	847.7	764.3	716.6	712.5	770.4	811.1	774.5
35°	1153.6	1142.4	1119.0	1052.0	964.6	864.9	797.9	787.7	819.2	873.1	833.4
37.5°	1255.2	1244.1	1213.6	1168.9	1100.8	990.0	895.4	880.2	893.4	950.3	902.6
40°	1342.7	1345.7	1337.6	1293.9	1230.9	1130.2	1021.5	997.1	985.9	1036.7	982.9
42.5°	1405.7	1435.1	1437.2	1383.3	1332.5	1277.6	1155.6	1136.3	1109.9	1152.6	1115.0
45°	1537.8	1521.5	1531.7	1512.4	1456.5	1448.4	1310.1	1298.9	1262.4	1276.6	1236.9
47.5°	1641.5	1638.4	1657.7	1626.2	1611.0	1612.0	1486.0	1466.7	1414.8	1441.2	1396.5
50°	1701.4	1685.2	1755.3	1779.7	1776.7	1788.8	1663.8	1647.6	1597.8	1636.4	1540.8
52.5°	1715.7	1745.1	1811.2	1899.6	1937.2	1962.7	1858.0	1851.9	1798.0	1822.4	1690.3
55°	1751.2	1779.7	1818.3	1963.7	2102.9	2109.0	2049.0	2055.1	2007.4	2001.3	1832.6
57.5°	1750.2	1744.1	1850.8	2019.6	2212.7	2300.1	2267.6	2238.1	2186.3	2126.3	1924.0
60°	1686.2	1683.1	1793.9	2026.7	2272.7	2472.9	2486.1	2451.5	2321.4	2233.0	2031.8
62.5°	1559.1	1571.3	1683.1	1965.7	2329.6	2534.9	2583.7	2560.3	2398.7	2304.2	2158.8
65°	1413.8	1388.4	1518.5	1813.2	2201.5	2516.6	2622.3	2614.2	2490.2	2381.4	2275.7
67.5°	1134.3	1145.5	1245.1	1560.2	1983.0	2449.5	2712.7	2724.9	2563.3	2449.5	2311.3
70°	718.6	738.9	842.6	1127.2	1619.1	2238.1	2794.1	2829.6	2621.3	2443.4	2207.6
72.5°	209.4	217.5	358.8	562.1	1031.6	1794.9	2664.0	2682.3	2508.5	2217.8	1707.5
75°	69.1	73.2	105.7	183.0	404.5	928.0	1967.7	2054.1	1996.2	1607.9	976.8
77.5°	45.7	47.8	57.9	87.4	153.5	290.7	1055.0	1147.5	1125.1	753.1	315.1
80°	33.5	34.6	42.7	59.0	93.5	104.7	389.3	450.3	435.0	172.8	63.0
82.5°	21.3	21.3	31.5	41.7	59.0	51.8	112.8	125.0	122.0	66.1	24.4
85°	14.2	15.2	23.4	32.5	32.5	24.4	32.5	37.6	40.7	35.6	11.2
87.5°	4.1	5.1	13.2	22.4	13.2	12.2	11.2	12.2	14.2	19.3	6.1
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°	490.9	490.9	490.9	490.9	490.9	490.9	490.9	490.9	490.9	490.9	490.9
2.5°	490.9	495.0	494.0	496.0	492.9	489.9	492.9	492.9	492.9	489.9	487.9
5°	495.0	492.9	495.0	490.9	495.0	490.9	488.9	482.8	481.8	481.8	485.8
7.5°	501.1	503.1	494.0	494.0	484.8	486.9	481.8	482.8	480.8	477.7	475.7
10°	510.2	518.4	509.2	506.2	496.0	487.9	475.7	469.6	469.6	465.5	469.6
12.5°	535.6	532.6	527.5	517.3	505.1	488.9	459.4	429.9	405.5	387.2	396.4
15°	556.0	554.9	547.8	528.5	512.3	462.5	388.3	312.0	271.4	253.1	250.0
17.5°	587.5	584.4	572.2	546.8	492.9	383.2	266.3	202.3	162.6	153.5	150.4
20°	616.9	615.9	589.5	557.0	444.2	279.5	173.8	133.1	122.0	123.0	121.0
22.5°	648.5	643.4	611.9	544.8	353.7	186.0	124.0	118.9	114.9	113.8	115.9
25°	684.0	665.7	634.2	517.3	260.2	128.1	116.9	112.8	108.8	107.7	107.7
27.5°	698.3	686.1	644.4	451.3	164.7	111.8	109.8	104.7	99.6	96.6	95.5
30°	730.8	710.5	654.6	354.7	116.9	102.7	99.6	93.5	86.4	81.3	81.3
32.5°	763.3	738.9	655.6	248.0	97.6	92.5	87.4	79.3	70.1	65.0	66.1
35°	804.0	770.4	644.4	160.6	87.4	81.3	71.1	62.0	53.9	49.8	49.8
37.5°	873.1	841.6	598.7	105.7	79.3	69.1	59.0	48.8	41.7	38.6	38.6
40°	960.5	919.8	535.6	83.3	70.1	59.0	46.8	37.6	33.5	30.5	30.5
42.5°	1065.2	1014.4	442.1	74.2	62.0	48.8	36.6	29.5	25.4	25.4	24.4
45°	1169.9	1086.5	346.6	68.1	54.9	40.7	28.5	23.4	21.3	20.3	20.3
47.5°	1319.3	1173.9	248.0	62.0	47.8	31.5	23.4	19.3	17.3	16.3	17.3
50°	1462.6	1256.3	175.8	55.9	39.6	25.4	19.3	17.3	15.2	14.2	14.2
52.5°	1588.6	1313.2	123.0	48.8	33.5	21.3	17.3	15.2	14.2	13.2	13.2
55°	1657.7	1293.9	84.4	41.7	27.4	18.3	15.2	13.2	12.2	11.2	11.2
57.5°	1728.9	1240.0	64.0	34.6	22.4	17.3	14.2	12.2	11.2	10.2	10.2
60°	1788.8	1200.4	49.8	27.4	18.3	14.2	12.2	10.2	9.1	8.1	7.1
62.5°	1791.9	1121.1	36.6	20.3	14.2	12.2	10.2	8.1	5.1	4.1	3.0
65°	1804.1	1037.7	26.4	15.2	10.2	9.1	7.1	4.1	2.0	0.0	0.0
67.5°	1761.4	939.1	21.3	11.2	7.1	5.1	3.0	1.0	0.0	0.0	0.0
70°	1587.6	792.8	16.3	8.1	5.1	3.0	1.0	0.0	0.0	0.0	0.0
72.5°	1136.3	515.3	11.2	6.1	2.0	1.0	0.0	0.0	0.0	0.0	0.0
75°	605.8	219.5	8.1	4.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	190.1	55.9	5.1	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	41.7	15.2	3.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	14.2	6.1	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	5.1	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.0	1.0	1.0	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)