

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: P676887

Luminaire Tested: **CCW-SA-1E-827-U-SL2-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676887
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1E-827-U-SL2-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @1050mA w/
SL2 distribution lens and House Side Shield
Light Source: (16) 2700K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

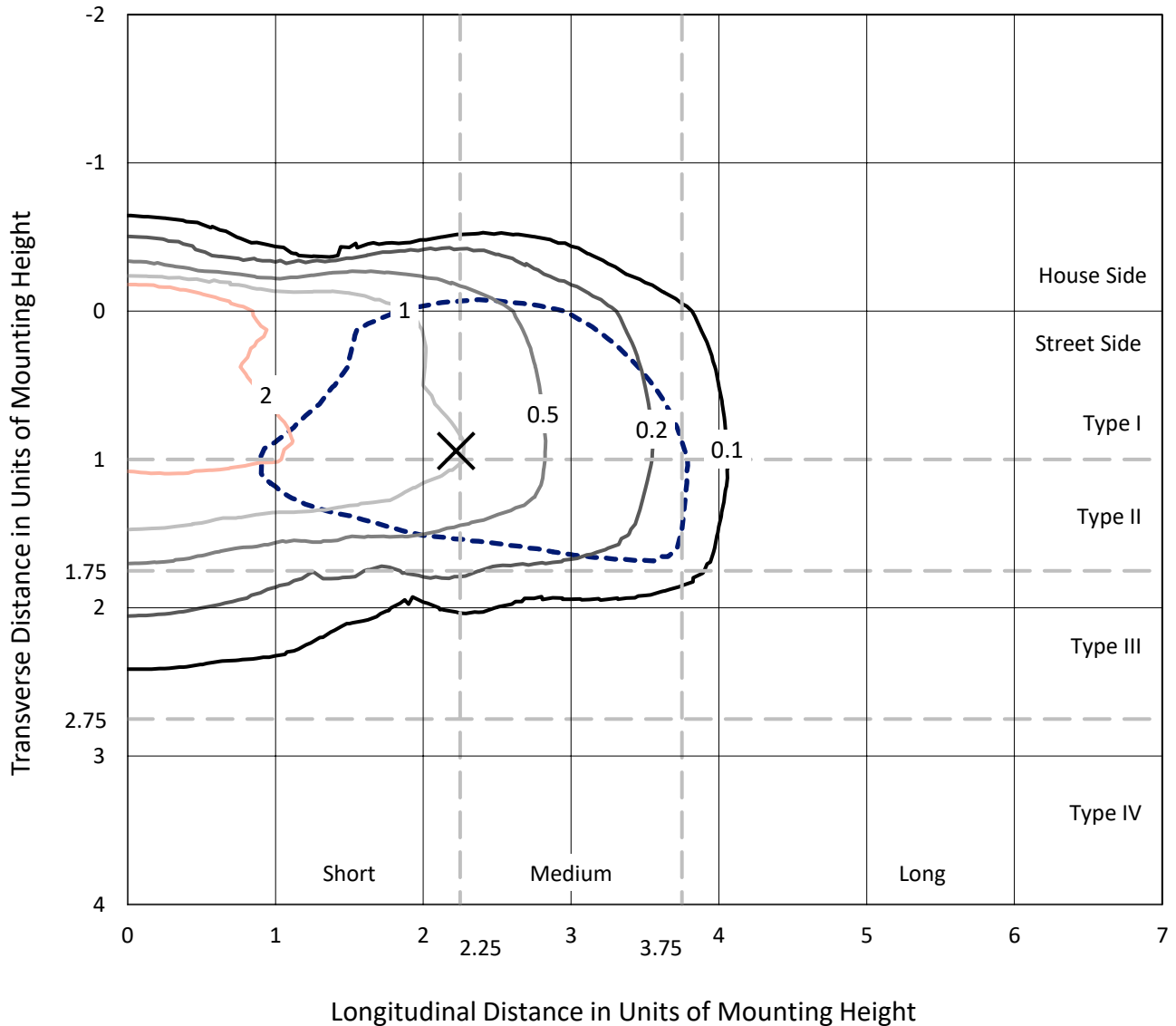
Lumens per Lamp: N/A
Luminaire Lumens: 4041.6 lumens
Efficiency: N/A
Efficacy: 72.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 56.1
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: P676887
 CATALOG NUMBER: CCW-SA-1E-827-U-SL2-HSS

Iso-Footcandle Lines of Horizontal Illumination

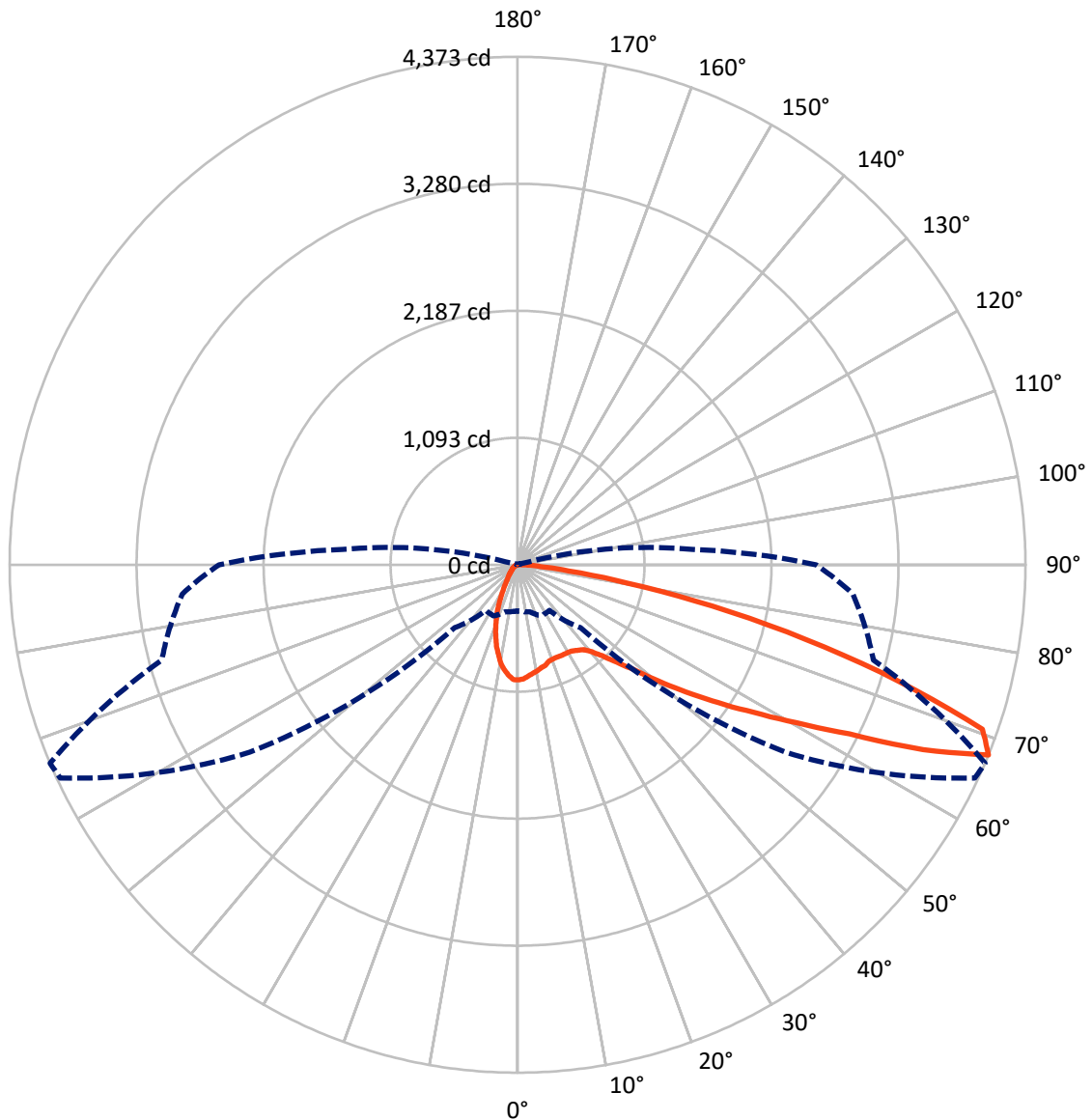
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.4 fc
 Type II - Short - N/A

REPORT NUMBER: P676887
CATALOG NUMBER: CCW-SA-1E-827-U-SL2-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P676887
 CATALOG NUMBER: CCW-SA-1E-827-U-SL2-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	508.6	0.0	508.6
	% Fixture	12.6	0.0	12.6
Street Side	Lumens	3533.0	0.0	3533.0
	% Fixture	87.4	0.0	87.4
Total	Lumens	4041.6	0.0	4041.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.5	2.1
10°-20°	185.5	4.6
20°-30°	263.8	6.5
30°-40°	384.2	9.5
40°-50°	594.6	14.7
50°-60°	912.5	22.6
60°-70°	989.2	24.5
70°-80°	558.1	13.8
80°-90°	70.1	1.7
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°	4041.6	100.0
0°-180°	4041.6	100.0

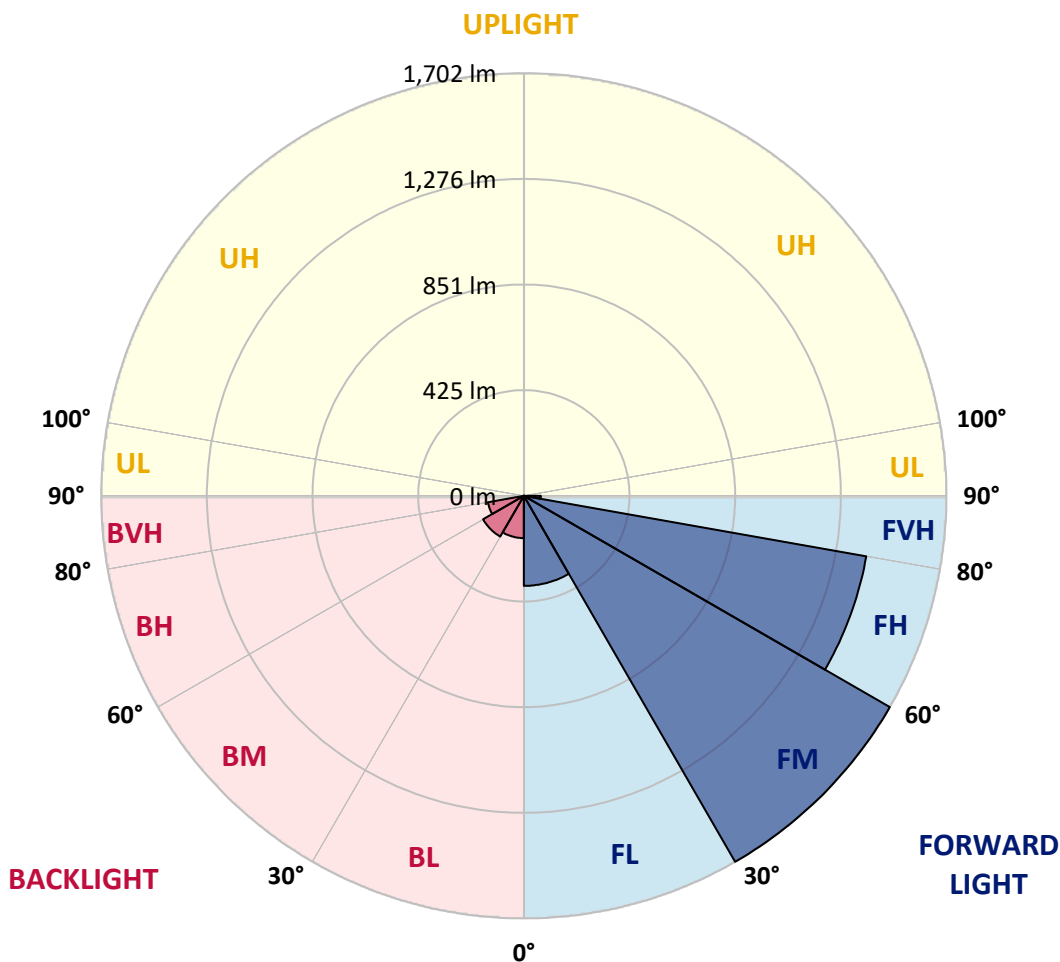


REPORT NUMBER: P676887
 CATALOG NUMBER: CCW-SA-1E-827-U-SL2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	362.6	9.0			
FM (30°-60°)	1701.9	42.1			
FH (60°-80°)	1400.3	34.6			G1/1800
FVH (80°-90°)	68.1	1.7			G1/100
BL (0°-30°)	170.3	4.2	B1/500		
BM (30°-60°)	189.5	4.7	B0/220		
BH (60°-80°)	146.9	3.6	B1/500		G1/500
BVH (80°-90°)	2.0	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 II Short





REPORT NUMBER: P676887
 CATALOG NUMBER: CCW-SA-1E-827-U-SL2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	991.3	991.3	991.3	991.3	991.3	991.3	991.3	991.3	991.3	991.3	991.3
2.5°	948.5	953.4	960.2	969.9	976.7	972.8	975.8	992.3	983.5	991.3	987.4
5°	895.9	900.8	910.5	909.5	917.3	931.9	951.4	972.8	963.1	986.5	995.2
7.5°	841.4	839.4	839.4	859.9	876.4	896.9	907.6	942.6	943.6	964.1	985.5
10°	791.7	797.5	807.3	815.1	830.7	859.9	891.0	918.3	929.0	969.9	975.8
12.5°	761.5	764.4	776.1	782.9	803.4	831.6	864.7	899.8	908.6	950.4	978.7
15°	748.9	755.7	759.6	772.2	782.9	809.2	833.6	873.5	898.8	931.9	967.0
17.5°	758.6	755.7	757.6	761.5	774.2	797.5	823.8	863.8	872.5	928.0	980.6
20°	771.3	772.2	766.4	764.4	761.5	783.9	805.3	856.9	866.7	928.0	989.4
22.5°	805.3	794.6	805.3	789.8	774.2	783.9	804.4	857.9	864.7	927.1	998.1
25°	847.2	849.2	852.1	819.0	796.6	789.8	811.2	860.8	866.7	934.9	1002.0
27.5°	906.6	915.4	900.8	884.2	839.4	805.3	810.2	858.9	869.6	931.0	1011.8
30°	986.5	979.6	981.6	943.6	899.8	846.2	832.6	863.8	871.6	935.8	1030.3
32.5°	1055.6	1047.8	1061.4	1047.8	978.7	904.7	858.9	873.5	882.3	947.5	1045.9
35°	1098.5	1108.2	1129.6	1144.2	1085.8	980.6	902.7	899.8	903.7	953.4	1057.6
37.5°	1164.7	1182.2	1199.7	1236.7	1186.1	1074.1	971.9	933.9	927.1	981.6	1063.4
40°	1236.7	1231.9	1283.5	1327.3	1325.3	1205.6	1068.3	994.3	984.5	1026.4	1102.3
42.5°	1297.1	1292.2	1349.7	1421.8	1429.5	1332.2	1178.3	1079.9	1071.2	1095.5	1150.1
45°	1376.0	1379.9	1448.0	1533.7	1562.0	1499.7	1327.3	1202.6	1197.8	1190.0	1240.6
47.5°	1446.1	1467.5	1526.0	1627.2	1729.5	1673.0	1502.6	1381.8	1347.7	1330.2	1380.9
50°	1494.8	1514.3	1585.4	1693.4	1880.4	1916.4	1699.3	1572.7	1573.7	1530.8	1558.1
52.5°	1494.8	1493.8	1551.3	1693.4	1985.6	2170.6	1962.2	1813.2	1821.0	1776.2	1778.2
55°	1350.7	1347.7	1417.9	1568.8	1973.9	2415.0	2360.5	2118.0	2098.5	2011.9	2020.6
57.5°	1087.7	1094.6	1148.1	1329.2	1822.0	2529.0	2834.7	2460.8	2394.6	2215.4	2215.4
60°	793.7	787.8	827.7	954.3	1459.7	2486.1	3224.3	2864.9	2760.7	2383.9	2358.6
62.5°	603.8	602.8	613.5	656.3	926.1	2167.7	3391.8	3379.1	3209.7	2549.4	2513.4
65°	487.9	489.8	504.4	534.6	565.8	1478.2	3303.1	3992.6	3837.8	2795.8	2678.0
67.5°	398.3	403.2	420.7	485.9	479.1	765.4	2813.3	4344.1	4373.4	3171.7	2899.0
70°	306.7	314.5	335.0	427.5	461.6	509.3	1950.5	4168.9	4246.8	3405.4	2765.6
72.5°	208.4	207.4	251.2	346.7	466.5	466.5	1085.8	3357.7	3431.7	3139.5	2402.4
75°	113.0	119.8	166.5	262.0	427.5	450.9	618.4	2456.9	2561.1	2441.3	1858.0
77.5°	61.3	62.3	92.5	171.4	355.4	430.4	412.9	1671.0	1711.9	1472.4	1017.6
80°	32.1	33.1	48.7	112.0	245.4	399.3	343.8	996.2	957.2	564.8	336.0
82.5°	14.6	15.6	24.3	70.1	156.8	314.5	297.0	481.1	444.1	157.8	102.2
85°	5.8	5.8	10.7	41.9	91.5	154.8	254.2	241.5	201.6	47.7	50.6
87.5°	1.9	1.9	2.9	16.6	37.0	92.5	135.4	127.6	87.6	17.5	27.3
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: P676887

CATALOG NUMBER: CCW-SA-1E-827-U-SL2-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	991.3	991.3	991.3	991.3	991.3	991.3	991.3	991.3	991.3	991.3	991.3
2.5°	983.5	994.3	991.3	989.4	970.9	968.9	967.0	949.5	955.3	940.7	950.4
5°	989.4	995.2	979.6	950.4	924.1	894.9	872.5	856.9	828.7	818.0	816.0
7.5°	983.5	983.5	951.4	904.7	853.1	805.3	745.0	702.1	670.0	645.6	654.4
10°	975.8	964.1	931.0	848.2	754.7	682.6	596.0	532.7	485.0	469.4	459.6
12.5°	975.8	955.3	881.3	768.3	647.6	538.5	435.3	352.5	306.7	279.5	275.6
15°	967.0	936.8	845.3	693.3	543.4	395.4	277.5	206.4	167.5	156.8	152.9
17.5°	968.9	932.9	791.7	604.7	421.7	262.9	169.4	130.5	120.8	115.9	116.9
20°	972.8	932.9	744.0	518.1	303.8	163.6	116.9	110.0	105.2	103.2	104.2
22.5°	985.5	914.4	695.3	429.4	205.5	117.8	103.2	96.4	92.5	89.6	88.6
25°	987.4	911.5	648.6	341.8	141.2	99.3	90.6	82.8	77.9	74.0	73.0
27.5°	984.5	898.8	583.3	254.2	106.1	88.6	76.9	69.1	62.3	59.4	58.4
30°	995.2	875.4	527.8	183.1	89.6	76.9	65.2	56.5	50.6	46.7	46.7
32.5°	996.2	855.0	466.5	130.5	81.8	68.2	55.5	45.8	39.9	38.0	38.0
35°	997.2	836.5	398.3	99.3	73.0	58.4	45.8	38.0	34.1	31.2	31.2
37.5°	1000.1	822.9	336.0	83.7	65.2	49.7	38.0	31.2	27.3	26.3	26.3
40°	1005.9	804.4	270.7	74.0	56.5	41.9	32.1	26.3	22.4	21.4	20.4
42.5°	1021.5	799.5	216.2	66.2	50.6	35.1	26.3	21.4	18.5	16.6	15.6
45°	1085.8	812.2	167.5	61.3	42.8	29.2	22.4	17.5	13.6	12.7	11.7
47.5°	1191.0	854.0	132.4	54.5	36.0	24.3	18.5	13.6	10.7	9.7	8.8
50°	1350.7	949.5	108.1	48.7	30.2	20.4	14.6	10.7	7.8	6.8	6.8
52.5°	1560.0	1078.0	93.5	42.8	24.3	17.5	11.7	7.8	5.8	4.9	4.9
55°	1774.3	1229.9	87.6	37.0	20.4	14.6	8.8	5.8	3.9	2.9	2.9
57.5°	1971.0	1328.3	84.7	30.2	17.5	10.7	6.8	3.9	1.9	1.0	1.0
60°	2093.7	1400.3	76.0	24.3	13.6	8.8	4.9	1.9	1.0	0.0	0.0
62.5°	2255.3	1473.4	62.3	18.5	9.7	5.8	2.9	1.0	0.0	0.0	0.0
65°	2468.6	1555.2	48.7	14.6	7.8	3.9	1.9	1.0	0.0	0.0	0.0
67.5°	2570.8	1512.3	33.1	10.7	4.9	1.9	1.0	0.0	0.0	0.0	0.0
70°	2366.3	1273.7	23.4	7.8	2.9	1.0	1.0	0.0	0.0	0.0	0.0
72.5°	1989.5	998.1	17.5	4.9	1.9	1.0	0.0	0.0	0.0	0.0	0.0
75°	1466.5	624.2	13.6	3.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	778.1	232.7	9.7	2.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	229.8	68.2	6.8	1.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	76.0	20.4	3.9	1.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	39.0	7.8	1.9	1.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	22.4	2.9	1.9	1.9	1.0	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)