

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: P676844

Luminaire Tested: **CCW-SA-1F-735-U-SL2-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676844
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1F-735-U-SL2-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @1200mA w/
SL2 distribution lens and House Side Shield
Light Source: (16) 3500K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

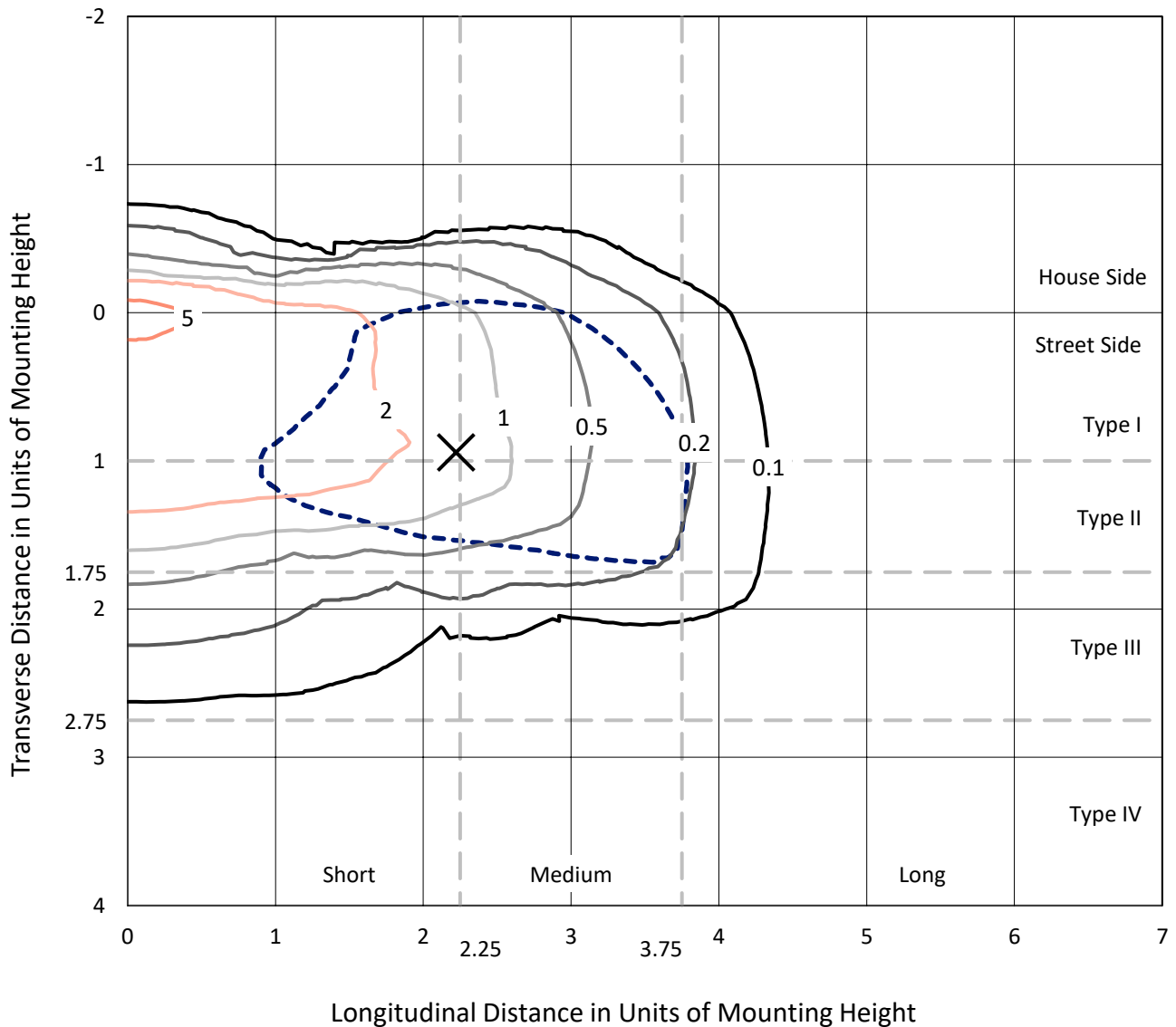
Lumens per Lamp: N/A
Luminaire Lumens: 5946.7 lumens
Efficiency: N/A
Efficacy: 88.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 67
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

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Iso-Footcandle Lines of Horizontal Illumination

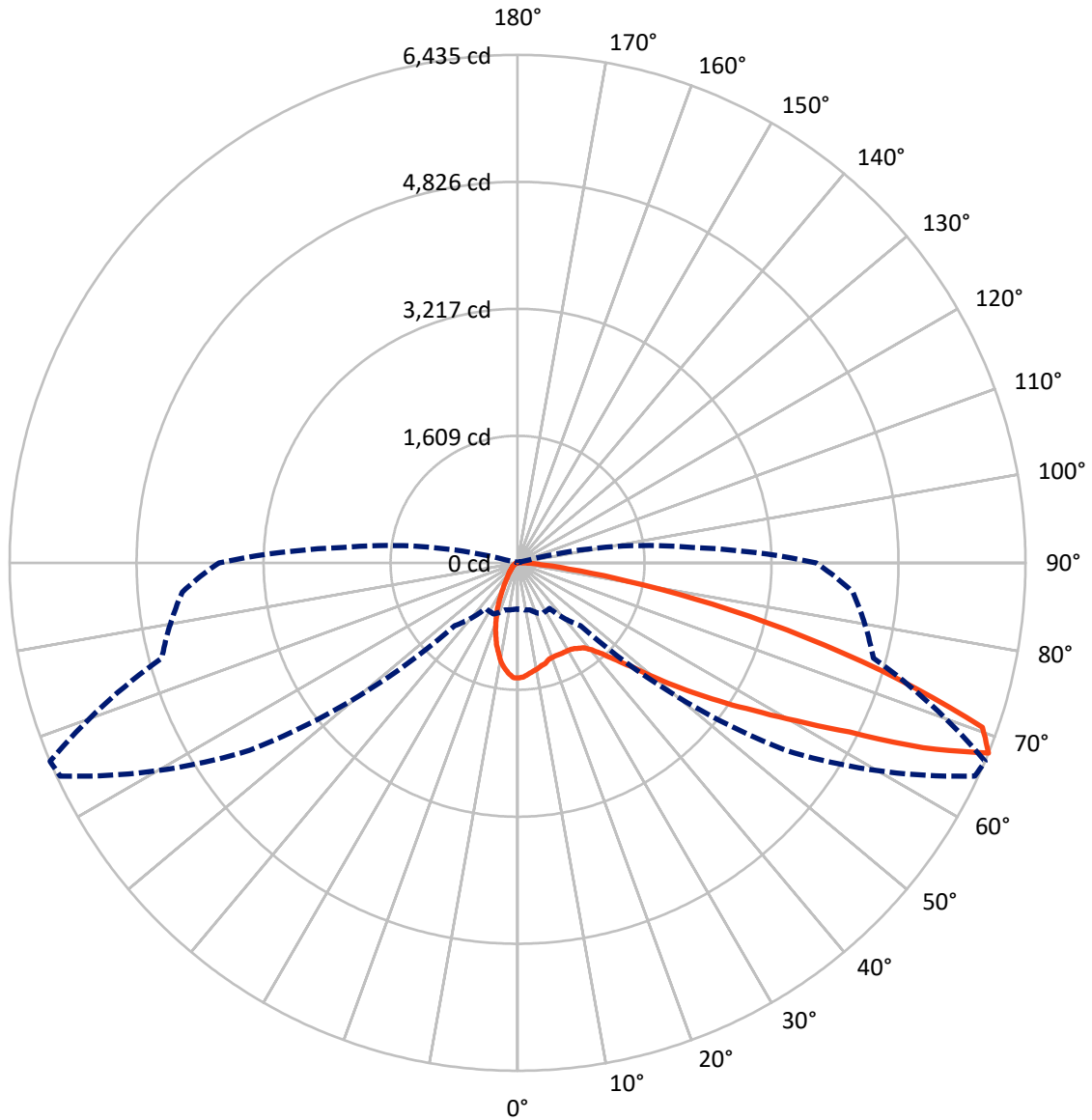
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	748.4	0.0	748.4
	% Fixture	12.6	0.0	12.6
Street Side	Lumens	5198.3	0.0	5198.3
	% Fixture	87.4	0.0	87.4
Total	Lumens	5946.7	0.0	5946.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.9	2.1
10°-20°	273.0	4.6
20°-30°	388.2	6.5
30°-40°	565.3	9.5
40°-50°	874.9	14.7
50°-60°	1342.7	22.6
60°-70°	1455.5	24.5
70°-80°	821.1	13.8
80°-90°	103.2	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°	5946.7	100.0
0°-180°	5946.7	100.0

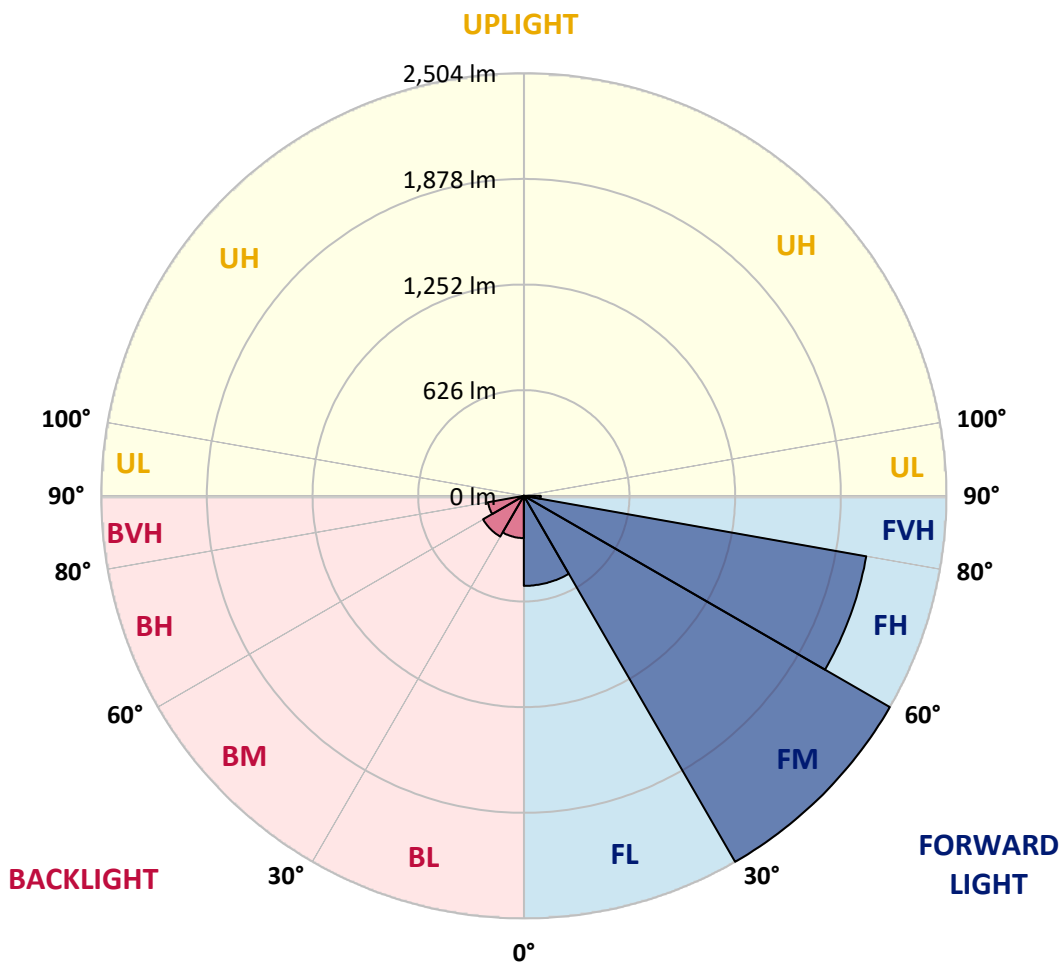


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	533.6	9.0			
FM (30°-60°)	2504.1	42.1			
FH (60°-80°)	2060.4	34.6			G2/5000
FVH (80°-90°)	100.2	1.7			G2/225
BL (0°-30°)	250.5	4.2	B1/500		
BM (30°-60°)	278.8	4.7	B1/1000		
BH (60°-80°)	216.2	3.6	B1/500		G1/500
BVH (80°-90°)	3.0	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-G2
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	1458.6	1458.6	1458.6	1458.6	1458.6	1458.6	1458.6	1458.6	1458.6	1458.6	1458.6
2.5°	1395.6	1402.7	1412.8	1427.1	1437.1	1431.4	1435.7	1460.0	1447.2	1458.6	1452.9
5°	1318.2	1325.4	1339.7	1338.3	1349.7	1371.2	1399.9	1431.4	1417.1	1451.5	1464.3
7.5°	1238.0	1235.1	1235.1	1265.2	1289.5	1319.6	1335.4	1387.0	1388.4	1418.5	1450.0
10°	1164.9	1173.5	1187.8	1199.3	1222.2	1265.2	1311.0	1351.2	1366.9	1427.1	1435.7
12.5°	1120.5	1124.8	1142.0	1152.0	1182.1	1223.6	1272.3	1323.9	1336.8	1398.4	1440.0
15°	1101.8	1111.9	1117.6	1136.2	1152.0	1190.7	1226.5	1285.2	1322.5	1371.2	1422.8
17.5°	1116.2	1111.9	1114.7	1120.5	1139.1	1173.5	1212.2	1270.9	1283.8	1365.5	1442.9
20°	1134.8	1136.2	1127.6	1124.8	1120.5	1153.4	1184.9	1260.9	1275.2	1365.5	1455.8
22.5°	1184.9	1169.2	1184.9	1162.0	1139.1	1153.4	1183.5	1262.3	1272.3	1364.1	1468.6
25°	1246.6	1249.4	1253.7	1205.0	1172.1	1162.0	1193.5	1266.6	1275.2	1375.5	1474.4
27.5°	1334.0	1346.9	1325.4	1301.0	1235.1	1184.9	1192.1	1263.8	1279.5	1369.8	1488.7
30°	1451.5	1441.4	1444.3	1388.4	1323.9	1245.1	1225.1	1270.9	1282.4	1376.9	1515.9
32.5°	1553.2	1541.7	1561.8	1541.7	1440.0	1331.1	1263.8	1285.2	1298.1	1394.1	1538.9
35°	1616.2	1630.6	1662.1	1683.6	1597.6	1442.9	1328.2	1323.9	1329.7	1402.7	1556.0
37.5°	1713.7	1739.5	1765.2	1819.7	1745.2	1580.4	1430.0	1374.1	1364.1	1444.3	1564.6
40°	1819.7	1812.5	1888.5	1952.9	1950.1	1773.8	1571.8	1462.9	1448.6	1510.2	1622.0
42.5°	1908.5	1901.4	1985.9	2091.9	2103.4	1960.1	1733.7	1589.0	1576.1	1611.9	1692.2
45°	2024.6	2030.3	2130.6	2256.7	2298.3	2206.6	1952.9	1769.5	1762.4	1750.9	1825.4
47.5°	2127.7	2159.3	2245.2	2394.3	2544.7	2461.6	2210.9	2033.2	1983.0	1957.2	2031.7
50°	2199.4	2228.0	2332.6	2491.7	2766.8	2819.8	2500.3	2314.0	2315.4	2252.4	2292.5
52.5°	2199.4	2198.0	2282.5	2491.7	2921.5	3193.8	2887.1	2667.9	2679.4	2613.5	2616.3
55°	1987.3	1983.0	2086.2	2308.3	2904.3	3553.4	3473.2	3116.4	3087.7	2960.2	2973.1
57.5°	1600.5	1610.5	1689.3	1955.8	2680.8	3721.0	4171.0	3620.8	3523.3	3259.7	3259.7
60°	1167.8	1159.2	1217.9	1404.2	2147.8	3658.0	4744.1	4215.4	4062.1	3507.6	3470.3
62.5°	888.4	886.9	902.7	965.7	1362.6	3189.5	4990.5	4971.9	4722.6	3751.1	3698.1
65°	717.8	720.7	742.2	786.6	832.5	2175.0	4860.1	5874.6	5646.8	4113.6	3940.3
67.5°	586.0	593.2	619.0	715.0	705.0	1126.2	4139.4	6391.8	6434.8	4666.7	4265.5
70°	451.3	462.8	492.9	629.0	679.2	749.4	2870.0	6133.9	6248.6	5010.6	4069.2
72.5°	306.6	305.2	369.7	510.1	686.3	686.3	1597.6	4940.4	5049.3	4619.4	3534.8
75°	166.2	176.2	245.0	385.4	629.0	663.4	909.8	3615.0	3768.3	3592.1	2733.8
77.5°	90.3	91.7	136.1	252.2	523.0	633.3	607.5	2458.7	2518.9	2166.4	1497.3
80°	47.3	48.7	71.6	164.8	361.1	587.5	505.8	1465.8	1408.5	831.0	494.3
82.5°	21.5	22.9	35.8	103.2	230.7	462.8	437.0	707.8	653.4	232.1	150.4
85°	8.6	8.6	15.8	61.6	134.7	227.8	374.0	355.3	296.6	70.2	74.5
87.5°	2.9	2.9	4.3	24.4	54.4	136.1	199.2	187.7	129.0	25.8	40.1
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°	1458.6	1458.6	1458.6	1458.6	1458.6	1458.6	1458.6	1458.6	1458.6	1458.6	1458.6
2.5°	1447.2	1462.9	1458.6	1455.8	1428.5	1425.7	1422.8	1397.0	1405.6	1384.1	1398.4
5°	1455.8	1464.3	1441.4	1398.4	1359.8	1316.8	1283.8	1260.9	1219.3	1203.6	1200.7
7.5°	1447.2	1447.2	1399.9	1331.1	1255.2	1184.9	1096.1	1033.1	985.8	950.0	962.9
10°	1435.7	1418.5	1369.8	1248.0	1110.4	1004.4	876.9	783.8	713.5	690.6	676.3
12.5°	1435.7	1405.6	1296.7	1130.5	952.8	792.4	640.5	518.7	451.3	411.2	405.5
15°	1422.8	1378.4	1243.7	1020.2	799.5	581.7	408.4	303.8	246.4	230.7	225.0
17.5°	1425.7	1372.6	1164.9	889.8	620.4	386.9	249.3	192.0	177.7	170.5	171.9
20°	1431.4	1372.6	1094.7	762.3	447.0	240.7	171.9	161.9	154.7	151.9	153.3
22.5°	1450.0	1345.4	1023.0	631.9	302.3	173.4	151.9	141.8	136.1	131.8	130.4
25°	1452.9	1341.1	954.3	502.9	207.8	146.1	133.3	121.8	114.6	108.9	107.5
27.5°	1448.6	1322.5	858.3	374.0	156.2	130.4	113.2	101.7	91.7	87.4	86.0
30°	1464.3	1288.1	776.6	269.4	131.8	113.2	96.0	83.1	74.5	68.8	68.8
32.5°	1465.8	1258.0	686.3	192.0	120.4	100.3	81.7	67.3	58.7	55.9	55.9
35°	1467.2	1230.8	586.0	146.1	107.5	86.0	67.3	55.9	50.1	45.9	45.9
37.5°	1471.5	1210.7	494.3	123.2	96.0	73.1	55.9	45.9	40.1	38.7	38.7
40°	1480.1	1183.5	398.3	108.9	83.1	61.6	47.3	38.7	33.0	31.5	30.1
42.5°	1503.0	1176.3	318.1	97.4	74.5	51.6	38.7	31.5	27.2	24.4	22.9
45°	1597.6	1195.0	246.4	90.3	63.0	43.0	33.0	25.8	20.1	18.6	17.2
47.5°	1752.3	1256.6	194.9	80.2	53.0	35.8	27.2	20.1	15.8	14.3	12.9
50°	1987.3	1397.0	159.0	71.6	44.4	30.1	21.5	15.8	11.5	10.0	10.0
52.5°	2295.4	1586.1	137.6	63.0	35.8	25.8	17.2	11.5	8.6	7.2	7.2
55°	2610.6	1809.7	129.0	54.4	30.1	21.5	12.9	8.6	5.7	4.3	4.3
57.5°	2900.0	1954.4	124.7	44.4	25.8	15.8	10.0	5.7	2.9	1.4	1.4
60°	3080.6	2060.4	111.8	35.8	20.1	12.9	7.2	2.9	1.4	0.0	0.0
62.5°	3318.4	2167.9	91.7	27.2	14.3	8.6	4.3	1.4	0.0	0.0	0.0
65°	3632.2	2288.2	71.6	21.5	11.5	5.7	2.9	1.4	0.0	0.0	0.0
67.5°	3782.7	2225.2	48.7	15.8	7.2	2.9	1.4	0.0	0.0	0.0	0.0
70°	3481.8	1874.1	34.4	11.5	4.3	1.4	1.4	0.0	0.0	0.0	0.0
72.5°	2927.3	1468.6	25.8	7.2	2.9	1.4	0.0	0.0	0.0	0.0	0.0
75°	2157.8	918.4	20.1	5.7	2.9	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	1144.8	342.4	14.3	4.3	1.4	0.0	0.0	0.0	0.0	0.0	0.0
80°	338.1	100.3	10.0	2.9	1.4	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	111.8	30.1	5.7	2.9	1.4	0.0	0.0	0.0	0.0	0.0	0.0
85°	57.3	11.5	2.9	2.9	1.4	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	33.0	4.3	2.9	2.9	1.4	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)