

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: P676836

Luminaire Tested: **CCW-SA-2C-730-U-SL2-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676836
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2C-730-U-SL2-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @615mA w/
SL2 distribution lens and House Side Shield
Light Source: (32) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

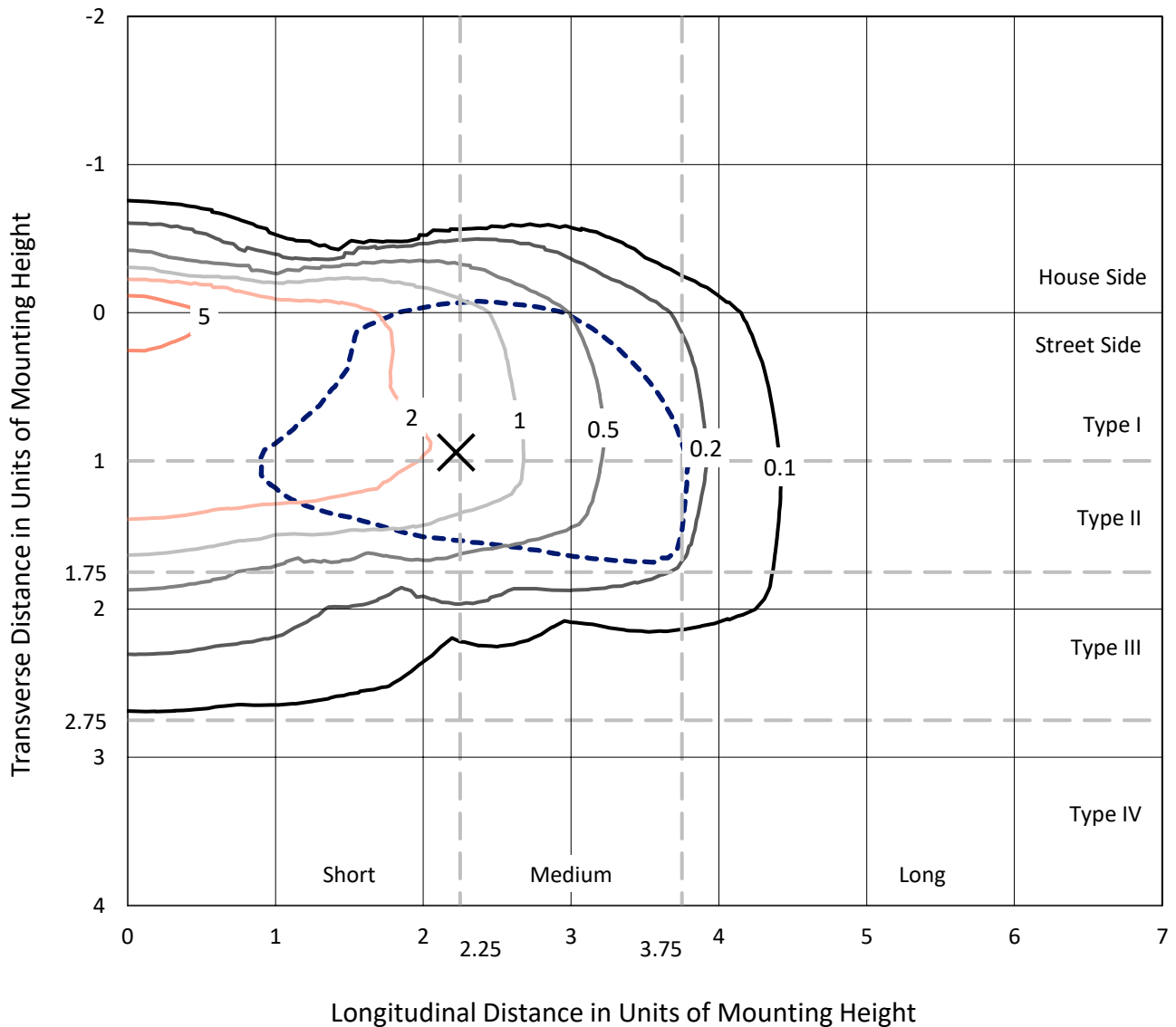
Lumens per Lamp: N/A
Luminaire Lumens: 6620.8 lumens
Efficiency: N/A
Efficacy: 106.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 62.1
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

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Iso-Footcandle Lines of Horizontal Illumination

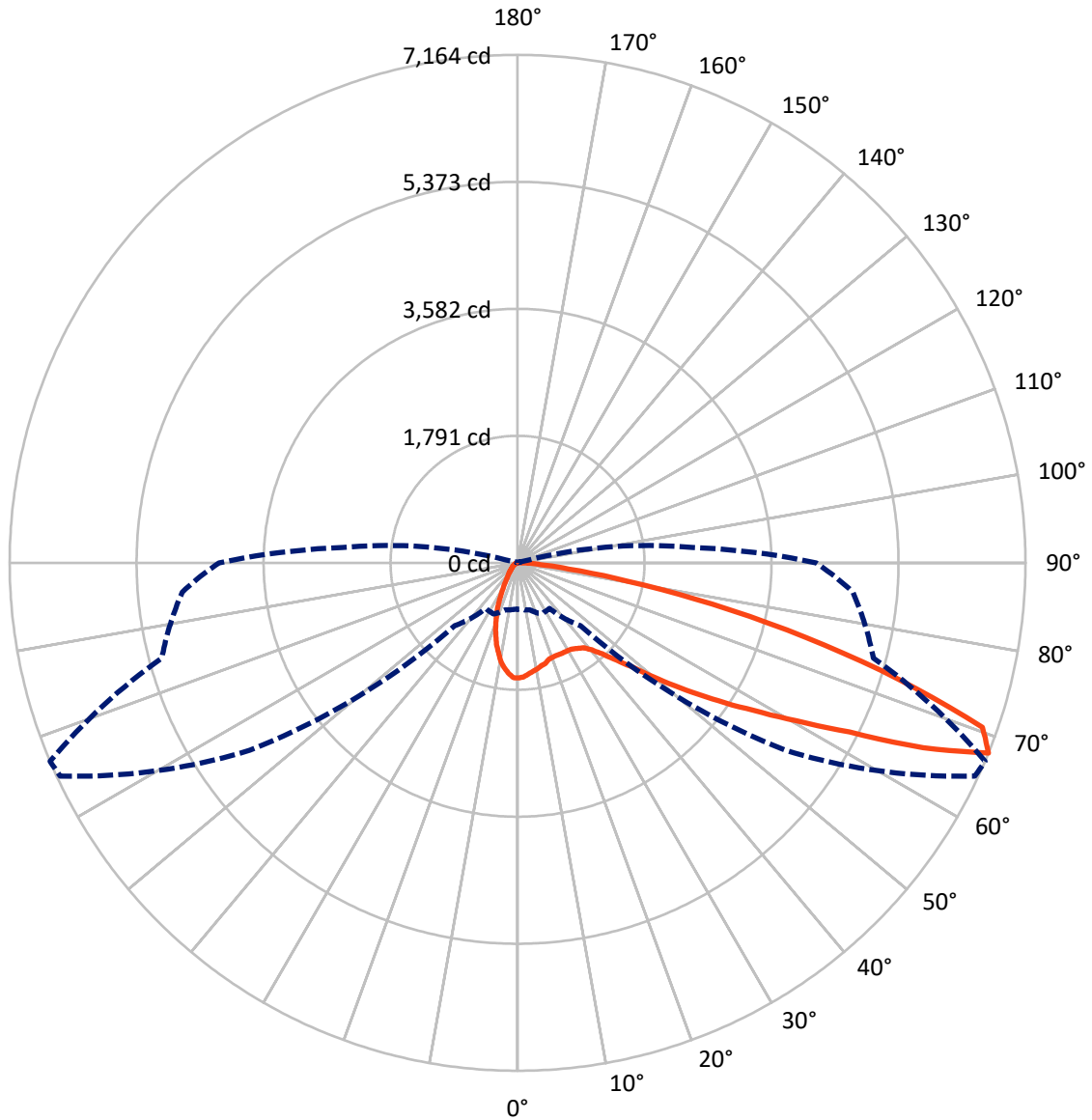
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 7.2 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	833.3	0.0	833.3
	% Fixture	12.6	0.0	12.6
Street Side	Lumens	5787.5	0.0	5787.5
	% Fixture	87.4	0.0	87.4
Total	Lumens	6620.8	0.0	6620.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.8	2.1
10°-20°	304.0	4.6
20°-30°	432.2	6.5
30°-40°	629.4	9.5
40°-50°	974.1	14.7
50°-60°	1494.9	22.6
60°-70°	1620.5	24.5
70°-80°	914.2	13.8
80°-90°	114.9	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°	6620.8	100.0
0°-180°	6620.8	100.0

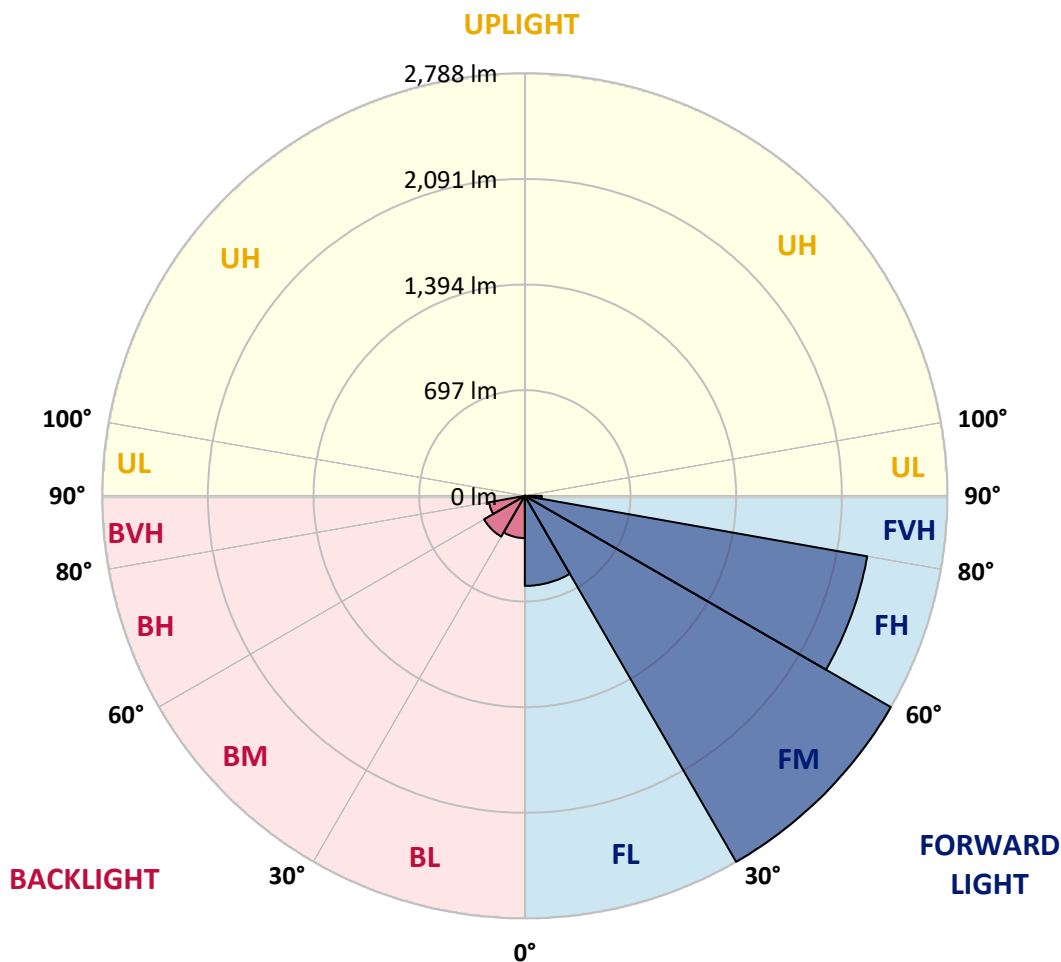


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	594.1	9.0			
FM (30°-60°)	2787.9	42.1			
FH (60°-80°)	2294.0	34.6			G2/5000
FVH (80°-90°)	111.6	1.7			G2/225
BL (0°-30°)	278.9	4.2	B1/500		
BM (30°-60°)	310.4	4.7	B1/1000		
BH (60°-80°)	240.7	3.6	B1/500		G1/500
BVH (80°-90°)	3.3	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°	1624.0	1624.0	1624.0	1624.0	1624.0	1624.0	1624.0	1624.0	1624.0	1624.0	1624.0
2.5°	1553.8	1561.7	1572.9	1588.9	1600.0	1593.6	1598.4	1625.6	1611.2	1624.0	1617.6
5°	1467.6	1475.6	1491.6	1490.0	1502.7	1526.6	1558.6	1593.6	1577.7	1616.0	1630.3
7.5°	1378.3	1375.1	1375.1	1408.6	1435.7	1469.2	1486.8	1544.2	1545.8	1579.3	1614.4
10°	1296.9	1306.5	1322.5	1335.2	1360.7	1408.6	1459.6	1504.3	1521.9	1588.9	1598.4
12.5°	1247.5	1252.3	1271.4	1282.6	1316.1	1362.3	1416.6	1474.0	1488.4	1557.0	1603.2
15°	1226.7	1237.9	1244.3	1265.0	1282.6	1325.6	1365.5	1430.9	1472.4	1526.6	1584.1
17.5°	1242.7	1237.9	1241.1	1247.5	1268.2	1306.5	1349.6	1415.0	1429.3	1520.3	1606.4
20°	1263.4	1265.0	1255.5	1252.3	1247.5	1284.2	1319.3	1403.8	1419.8	1520.3	1620.8
22.5°	1319.3	1301.7	1319.3	1293.7	1268.2	1284.2	1317.7	1405.4	1416.6	1518.7	1635.1
25°	1387.9	1391.1	1395.8	1341.6	1304.9	1293.7	1328.8	1410.2	1419.8	1531.4	1641.5
27.5°	1485.2	1499.5	1475.6	1448.5	1375.1	1319.3	1327.2	1407.0	1424.6	1525.1	1657.5
30°	1616.0	1604.8	1608.0	1545.8	1474.0	1386.3	1363.9	1415.0	1427.7	1533.0	1687.8
32.5°	1729.2	1716.5	1738.8	1716.5	1603.2	1482.0	1407.0	1430.9	1445.3	1552.2	1713.3
35°	1799.4	1815.4	1850.5	1874.4	1778.7	1606.4	1478.8	1474.0	1480.4	1561.7	1732.4
37.5°	1907.9	1936.6	1965.3	2026.0	1943.0	1759.6	1592.1	1529.8	1518.7	1608.0	1742.0
40°	2026.0	2018.0	2102.5	2174.3	2171.1	1974.9	1750.0	1628.7	1612.8	1681.4	1805.8
42.5°	2124.9	2116.9	2211.0	2329.1	2341.8	2182.3	1930.2	1769.1	1754.8	1794.6	1884.0
45°	2254.1	2260.5	2372.1	2512.5	2558.8	2456.7	2174.3	1970.1	1962.1	1949.4	2032.3
47.5°	2368.9	2404.0	2499.7	2665.7	2833.2	2740.6	2461.5	2263.6	2207.8	2179.1	2262.1
50°	2448.7	2480.6	2597.1	2774.1	3080.4	3139.4	2783.7	2576.3	2577.9	2507.7	2552.4
52.5°	2448.7	2447.1	2541.2	2774.1	3252.7	3555.8	3214.4	2970.3	2983.1	2909.7	2912.9
55°	2212.6	2207.8	2322.7	2569.9	3233.6	3956.2	3866.9	3469.7	3437.7	3295.8	3310.1
57.5°	1781.9	1793.1	1880.8	2177.5	2984.7	4142.8	4643.8	4031.2	3922.7	3629.2	3629.2
60°	1300.1	1290.6	1356.0	1563.3	2391.3	4072.7	5281.8	4693.2	4522.5	3905.2	3863.7
62.5°	989.1	987.5	1005.0	1075.2	1517.1	3551.0	5556.2	5535.5	5257.9	4176.3	4117.3
65°	799.2	802.4	826.3	875.8	926.8	2421.6	5411.1	6540.5	6286.9	4579.9	4386.9
67.5°	652.5	660.4	689.1	796.0	784.9	1253.9	4608.7	7116.4	7164.2	5195.7	4749.0
70°	502.5	515.3	548.8	700.3	756.1	834.3	3195.3	6829.2	6956.9	5578.6	4530.5
72.5°	341.4	339.8	411.6	567.9	764.1	764.1	1778.7	5500.4	5621.6	5143.1	3935.5
75°	185.0	196.2	272.8	429.1	700.3	738.6	1013.0	4024.8	4195.5	3999.3	3043.7
77.5°	100.5	102.1	151.5	280.8	582.3	705.1	676.4	2737.4	2804.4	2412.0	1667.0
80°	52.6	54.2	79.8	183.5	402.0	654.0	563.1	1631.9	1568.1	925.2	550.4
82.5°	23.9	25.5	39.9	114.9	256.8	515.3	486.5	788.1	727.4	258.4	167.5
85°	9.6	9.6	17.5	68.6	150.0	253.6	416.4	395.6	330.2	78.2	83.0
87.5°	3.2	3.2	4.8	27.1	60.6	151.5	221.7	209.0	143.6	28.7	44.7
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°	1624.0	1624.0	1624.0	1624.0	1624.0	1624.0	1624.0	1624.0	1624.0	1624.0	1624.0
2.5°	1611.2	1628.7	1624.0	1620.8	1590.5	1587.3	1584.1	1555.4	1564.9	1541.0	1557.0
5°	1620.8	1630.3	1604.8	1557.0	1513.9	1466.0	1429.3	1403.8	1357.6	1340.0	1336.8
7.5°	1611.2	1611.2	1558.6	1482.0	1397.4	1319.3	1220.4	1150.2	1097.5	1057.6	1072.0
10°	1598.4	1579.3	1525.1	1389.5	1236.3	1118.3	976.3	872.6	794.4	768.9	753.0
12.5°	1598.4	1564.9	1443.7	1258.6	1060.8	882.2	713.1	577.5	502.5	457.8	451.5
15°	1584.1	1534.6	1384.7	1135.8	890.1	647.7	454.6	338.2	274.4	256.8	250.5
17.5°	1587.3	1528.2	1296.9	990.6	690.7	430.7	277.6	213.8	197.8	189.8	191.4
20°	1593.6	1528.2	1218.8	848.7	497.7	268.0	191.4	180.3	172.3	169.1	170.7
22.5°	1614.4	1497.9	1139.0	703.5	336.6	193.0	169.1	157.9	151.5	146.8	145.2
25°	1617.6	1493.1	1062.4	559.9	231.3	162.7	148.4	135.6	127.6	121.2	119.6
27.5°	1612.8	1472.4	955.6	416.4	173.9	145.2	126.0	113.3	102.1	97.3	95.7
30°	1630.3	1434.1	864.6	299.9	146.8	126.0	106.9	92.5	83.0	76.6	76.6
32.5°	1631.9	1400.6	764.1	213.8	134.0	111.7	90.9	75.0	65.4	62.2	62.2
35°	1633.5	1370.3	652.5	162.7	119.6	95.7	75.0	62.2	55.8	51.0	51.0
37.5°	1638.3	1348.0	550.4	137.2	106.9	81.4	62.2	51.0	44.7	43.1	43.1
40°	1647.9	1317.7	443.5	121.2	92.5	68.6	52.6	43.1	36.7	35.1	33.5
42.5°	1673.4	1309.7	354.1	108.5	83.0	57.4	43.1	35.1	30.3	27.1	25.5
45°	1778.7	1330.4	274.4	100.5	70.2	47.9	36.7	28.7	22.3	20.7	19.1
47.5°	1951.0	1399.0	217.0	89.3	59.0	39.9	30.3	22.3	17.5	16.0	14.4
50°	2212.6	1555.4	177.1	79.8	49.5	33.5	23.9	17.5	12.8	11.2	11.2
52.5°	2555.6	1765.9	153.1	70.2	39.9	28.7	19.1	12.8	9.6	8.0	8.0
55°	2906.5	2014.8	143.6	60.6	33.5	23.9	14.4	9.6	6.4	4.8	4.8
57.5°	3228.8	2175.9	138.8	49.5	28.7	17.5	11.2	6.4	3.2	1.6	1.6
60°	3429.8	2294.0	124.4	39.9	22.3	14.4	8.0	3.2	1.6	0.0	0.0
62.5°	3694.6	2413.6	102.1	30.3	16.0	9.6	4.8	1.6	0.0	0.0	0.0
65°	4043.9	2547.6	79.8	23.9	12.8	6.4	3.2	1.6	0.0	0.0	0.0
67.5°	4211.4	2477.4	54.2	17.5	8.0	3.2	1.6	0.0	0.0	0.0	0.0
70°	3876.4	2086.6	38.3	12.8	4.8	1.6	1.6	0.0	0.0	0.0	0.0
72.5°	3259.1	1635.1	28.7	8.0	3.2	1.6	0.0	0.0	0.0	0.0	0.0
75°	2402.4	1022.6	22.3	6.4	3.2	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	1274.6	381.3	16.0	4.8	1.6	0.0	0.0	0.0	0.0	0.0	0.0
80°	376.5	111.7	11.2	3.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	124.4	33.5	6.4	3.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0
85°	63.8	12.8	3.2	3.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	36.7	4.8	3.2	3.2	1.6	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)