

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P632093

Luminaire Tested: GWS-SA2C-722-U-SL3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632093
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-32)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2C-722-U-SL3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3987.5 lumens
Efficiency: N/A
Efficacy: 63.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

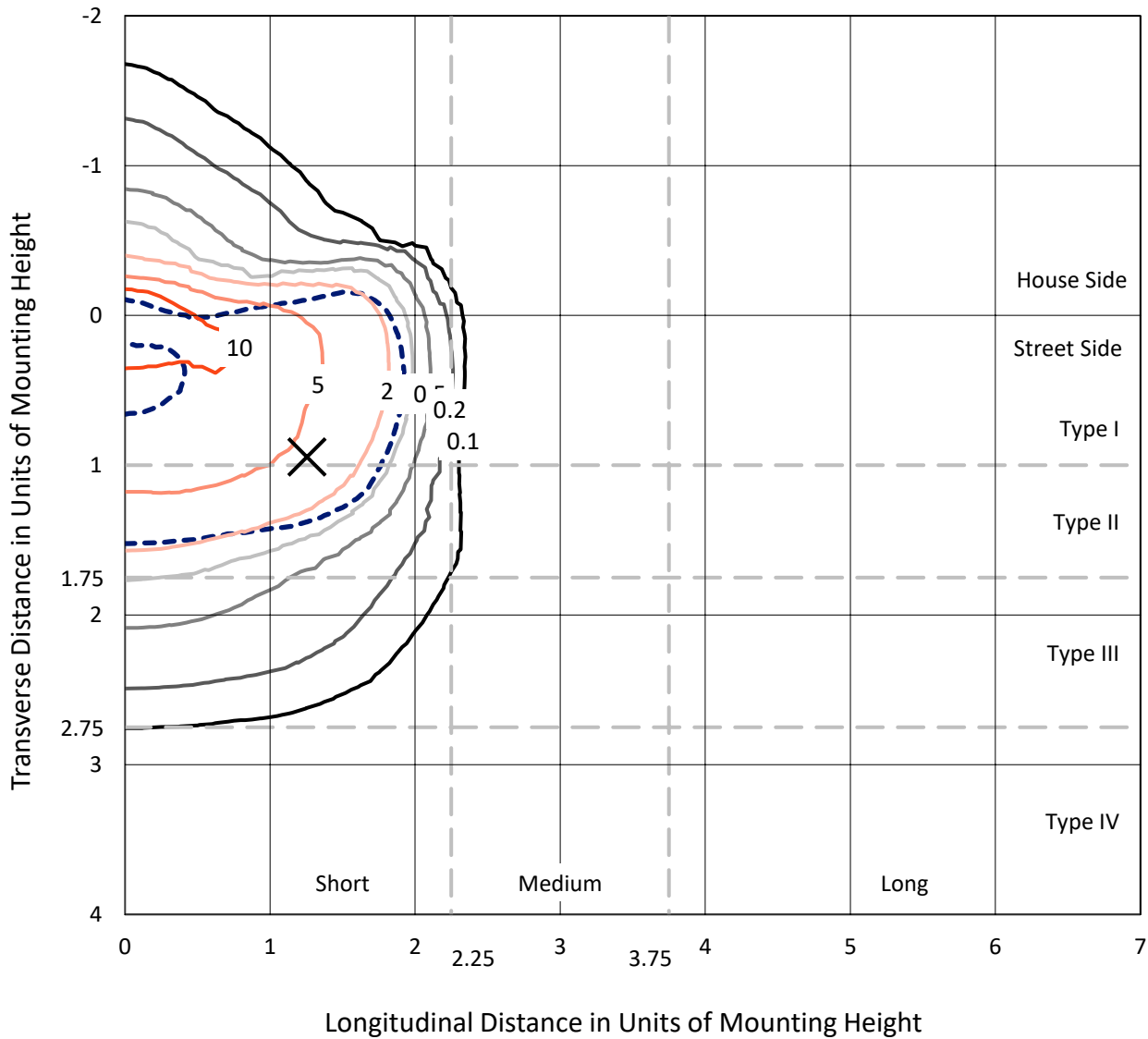
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

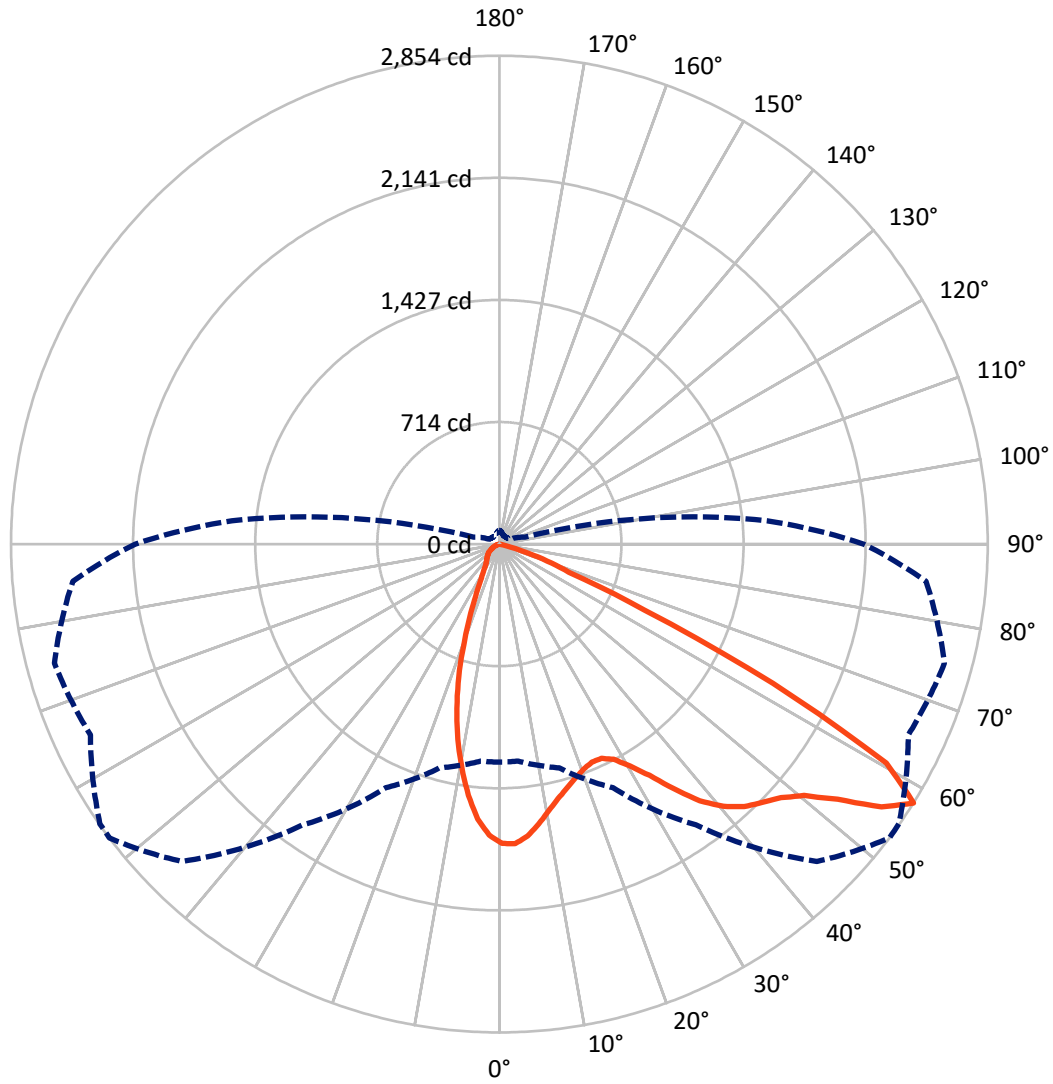
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	658.7	0.0	658.7
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	3328.8	0.0	3328.8
	% Fixture	83.5	0.0	83.5
Total	Lumens	3987.5	0.0	3987.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.7	3.8
10°-20°	328.5	8.2
20°-30°	428.0	10.7
30°-40°	620.8	15.6
40°-50°	895.8	22.5
50°-60°	1083.4	27.2
60°-70°	441.6	11.1
70°-80°	39.7	1.0
80°-90°	0.0	0.0
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°	3987.5	100.0
0°-180°	3987.5	100.0

Coefficient of Utilization



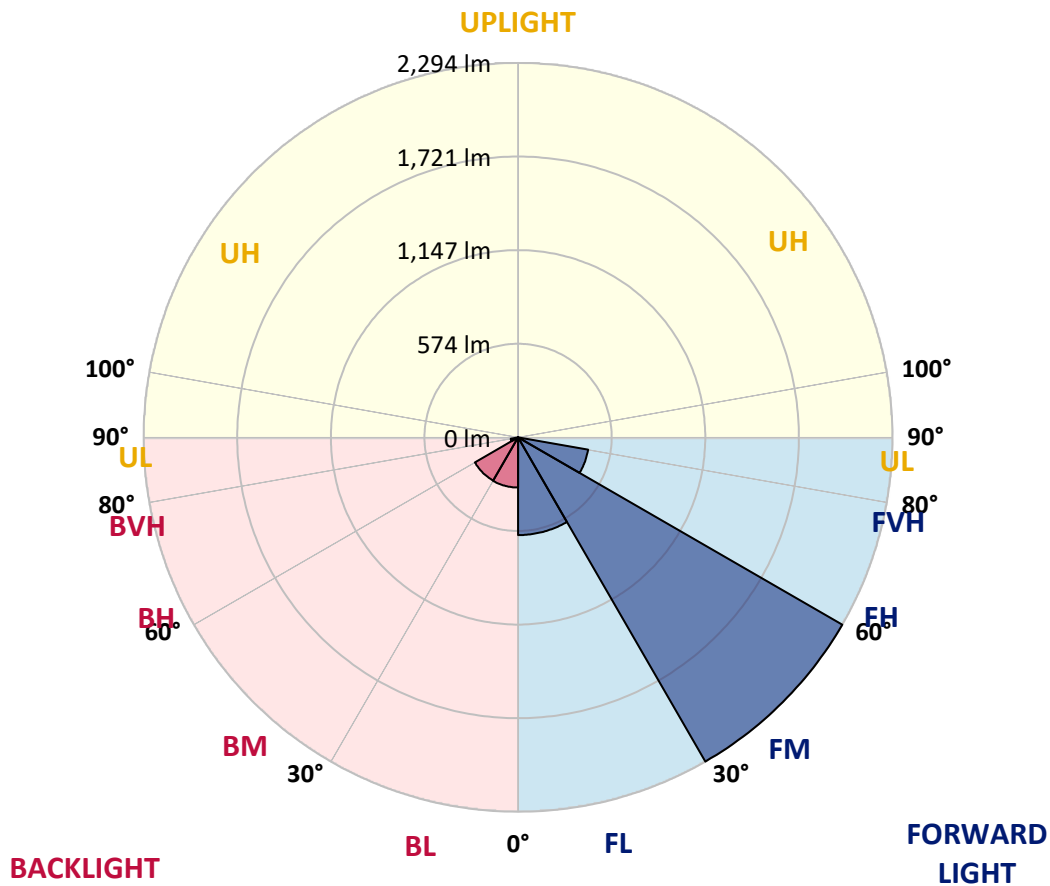
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	598.8	15.0			
FM (30°-60°)	2294.3	57.5			
FH (60°-80°)	435.7	10.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	307.4	7.7	B1/500		
BM (30°-60°)	305.7	7.7	B1/1000		
BH (60°-80°)	45.5	1.1	B0/110		G0/110
BVH (80°-90°)	0.0	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-G0
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	1749.1	1749.1	1749.1	1749.1	1749.1	1749.1	1749.1	1749.1	1749.1	1749.1	1749.1
2.5°	1724.7	1728.6	1735.5	1744.3	1750.1	1753.1	1753.1	1761.4	1756.0	1751.6	1746.7
5°	1650.9	1654.8	1664.1	1678.3	1692.5	1702.7	1714.4	1723.2	1726.7	1726.7	1718.4
7.5°	1546.8	1552.2	1558.1	1577.6	1608.4	1631.4	1651.4	1664.1	1682.7	1688.5	1676.8
10°	1434.9	1440.3	1453.5	1480.3	1515.5	1549.7	1584.0	1600.1	1631.9	1648.5	1635.3
12.5°	1340.1	1342.5	1360.1	1392.4	1437.3	1484.3	1525.8	1542.4	1587.4	1612.3	1596.7
15°	1261.9	1263.4	1280.9	1316.6	1368.4	1426.1	1478.4	1495.5	1550.7	1588.4	1564.9
17.5°	1202.8	1203.2	1218.4	1257.0	1311.2	1375.3	1437.3	1458.4	1529.7	1575.2	1540.0
20°	1172.9	1171.5	1182.2	1215.9	1267.3	1331.3	1404.6	1430.5	1518.0	1573.2	1520.9
22.5°	1173.4	1170.0	1174.4	1198.4	1241.8	1302.0	1384.1	1413.4	1519.0	1581.5	1504.8
25°	1201.3	1196.4	1197.4	1210.1	1240.9	1295.6	1387.0	1418.3	1538.5	1609.4	1498.9
27.5°	1248.2	1242.8	1242.8	1249.2	1265.8	1315.6	1423.7	1459.3	1590.8	1663.6	1511.1
30°	1308.8	1303.4	1301.5	1307.8	1321.5	1367.5	1505.3	1542.4	1680.2	1752.6	1550.2
32.5°	1378.2	1371.8	1375.3	1384.1	1397.3	1460.8	1610.3	1659.7	1792.2	1872.3	1620.6
35°	1451.5	1446.1	1461.8	1480.8	1501.4	1590.3	1755.5	1798.5	1929.5	2021.4	1728.1
37.5°	1521.4	1519.0	1551.7	1591.8	1634.3	1745.7	1903.1	1936.3	2047.3	2183.6	1859.6
40°	1591.3	1590.8	1647.0	1717.4	1785.3	1900.6	2015.0	2042.4	2119.1	2309.7	1985.7
42.5°	1669.5	1669.5	1747.2	1841.0	1931.4	2031.6	2097.1	2109.3	2151.4	2382.5	2080.5
45°	1744.3	1748.7	1838.6	1947.6	2054.6	2133.8	2153.8	2154.8	2164.6	2425.5	2159.2
47.5°	1803.4	1807.3	1914.8	2040.4	2155.8	2211.5	2214.4	2210.0	2199.3	2466.6	2219.8
50°	1851.3	1857.2	1969.6	2102.5	2225.2	2286.3	2308.7	2304.3	2277.0	2510.6	2262.3
52.5°	1874.7	1883.1	1988.6	2133.3	2302.4	2414.3	2476.9	2487.1	2393.3	2535.0	2302.9
55°	1687.1	1699.3	1796.6	1994.5	2345.4	2612.2	2710.5	2708.5	2519.4	2607.8	2401.6
57.5°	1274.1	1273.1	1353.8	1570.3	2003.3	2623.5	2854.2	2850.2	2637.2	2692.4	2502.8
60°	867.5	861.6	883.1	987.7	1400.7	2137.2	2597.6	2650.4	2553.6	2487.1	2125.0
62.5°	714.0	708.7	701.8	673.0	804.4	1331.3	1794.6	1874.7	1862.0	1728.6	1332.8
65°	584.5	588.9	608.0	595.8	559.6	682.7	931.5	978.9	894.9	753.1	465.8
67.5°	431.1	433.0	457.9	522.4	502.9	454.5	438.4	446.2	261.5	120.2	77.7
70°	254.6	256.1	279.1	365.6	408.1	348.9	296.2	291.8	103.6	32.3	35.2
72.5°	144.2	141.2	145.6	174.0	222.4	185.2	152.5	138.8	31.3	18.1	18.1
75°	68.4	66.5	57.2	53.8	48.9	31.3	19.5	16.6	7.8	7.3	7.3
77.5°	0.5	1.5	1.0	1.5	1.5	1.0	0.5	0.5	1.5	1.5	2.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1749.1	1749.1	1749.1	1749.1	1749.1	1749.1	1749.1	1749.1	1749.1	1749.1	1749.1
2.5°	1737.9	1723.2	1719.8	1718.8	1705.2	1690.5	1675.3	1669.5	1660.7	1655.3	1659.7
5°	1705.2	1684.1	1665.6	1648.5	1618.2	1584.9	1556.1	1537.5	1519.9	1508.2	1511.1
7.5°	1658.7	1631.4	1588.8	1545.3	1489.6	1439.8	1384.1	1349.9	1318.1	1300.5	1308.8
10°	1609.4	1573.2	1505.3	1431.5	1344.0	1265.8	1186.1	1121.1	1083.5	1047.8	1051.7
12.5°	1561.0	1513.1	1411.4	1299.5	1189.1	1073.7	953.5	863.6	802.0	757.5	750.7
15°	1516.0	1454.4	1320.0	1172.4	1021.9	868.5	715.0	586.5	515.1	471.1	468.2
17.5°	1475.9	1399.7	1225.2	1039.5	850.9	654.4	478.0	381.7	340.6	321.6	319.6
20°	1437.3	1344.5	1128.5	904.6	664.2	459.4	329.9	285.4	272.2	264.4	265.4
22.5°	1400.2	1284.4	1026.8	755.1	498.0	322.6	255.6	238.5	237.0	238.0	238.5
25°	1368.9	1229.1	922.2	610.9	355.3	245.8	213.6	208.7	213.1	219.4	220.4
27.5°	1352.8	1184.2	820.1	465.8	257.1	199.9	185.2	187.2	195.0	201.8	202.8
30°	1357.2	1150.5	714.5	337.7	197.9	168.6	163.7	167.6	175.5	181.8	182.8
32.5°	1388.5	1133.4	606.5	245.8	162.7	147.1	145.2	148.1	154.9	159.8	160.3
35°	1450.5	1137.3	503.9	188.2	139.8	131.0	130.5	132.4	135.9	139.3	139.8
37.5°	1541.9	1169.0	402.7	156.4	126.6	120.2	118.3	118.3	120.7	122.2	123.2
40°	1640.2	1216.9	322.6	138.3	117.3	110.5	106.5	105.1	107.0	109.0	109.5
42.5°	1721.3	1264.8	262.0	125.6	110.0	100.7	95.8	94.8	97.3	100.7	101.7
45°	1783.4	1302.0	218.5	115.3	101.7	91.4	86.0	86.0	90.4	96.3	97.3
47.5°	1840.0	1331.8	186.2	106.1	93.8	83.1	77.7	78.7	86.0	93.8	95.3
50°	1878.7	1355.7	162.3	97.7	87.5	76.2	71.4	73.3	82.1	91.4	92.9
52.5°	1920.2	1385.0	146.6	90.4	81.6	70.9	66.5	67.9	77.7	88.0	89.9
55°	2035.0	1483.3	146.1	80.6	71.4	63.5	61.6	62.1	71.8	83.6	86.0
57.5°	2128.9	1569.8	155.9	67.9	59.6	55.7	54.7	55.2	64.0	77.2	80.2
60°	1761.4	1219.9	129.0	56.2	49.8	48.9	47.4	48.4	56.7	68.4	70.9
62.5°	1042.4	697.4	61.6	43.0	42.5	41.5	40.1	42.0	49.8	60.1	61.6
65°	356.3	206.7	39.1	35.2	36.2	34.7	33.2	35.2	42.0	47.9	48.4
67.5°	68.4	54.7	31.3	29.3	29.8	26.9	26.4	28.3	32.3	33.2	32.7
70°	35.7	31.8	23.9	23.9	23.0	19.1	19.1	21.0	21.0	19.5	19.1
72.5°	18.6	17.6	15.6	17.6	14.7	11.7	11.7	12.7	11.7	9.8	9.8
75°	7.3	7.3	6.8	8.8	6.4	5.4	4.9	5.9	4.4	3.4	3.4
77.5°	2.0	2.0	2.0	2.4	1.5	1.5	1.0	1.0	0.5	0.0	0.0
80°	0.0	0.5	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	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)