

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: P631763

Luminaire Tested: GWS-SA2B-735-U-SL3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631763
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-SA2B-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3981.2 lumens
Efficiency: N/A
Efficacy: 85.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

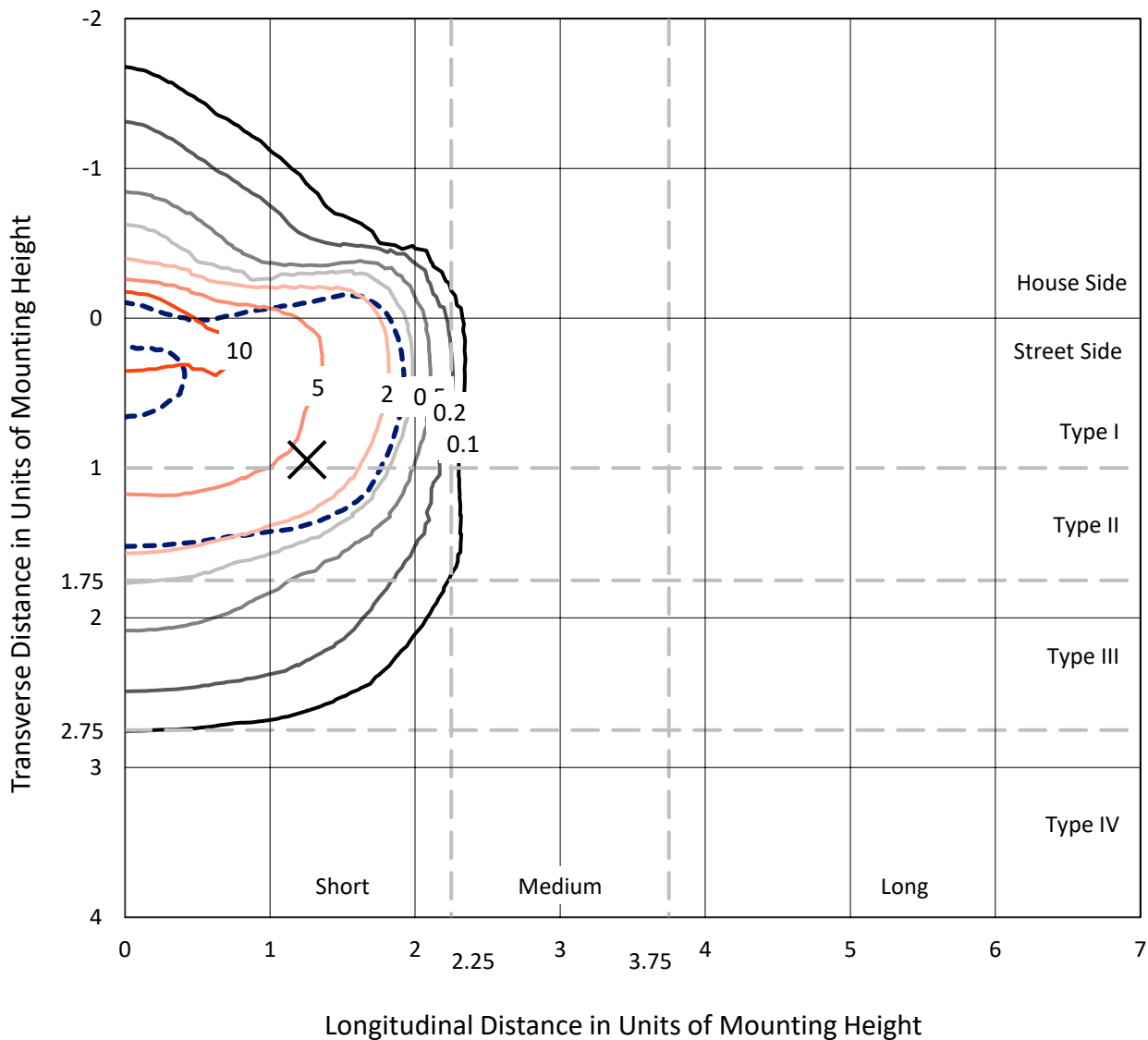
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

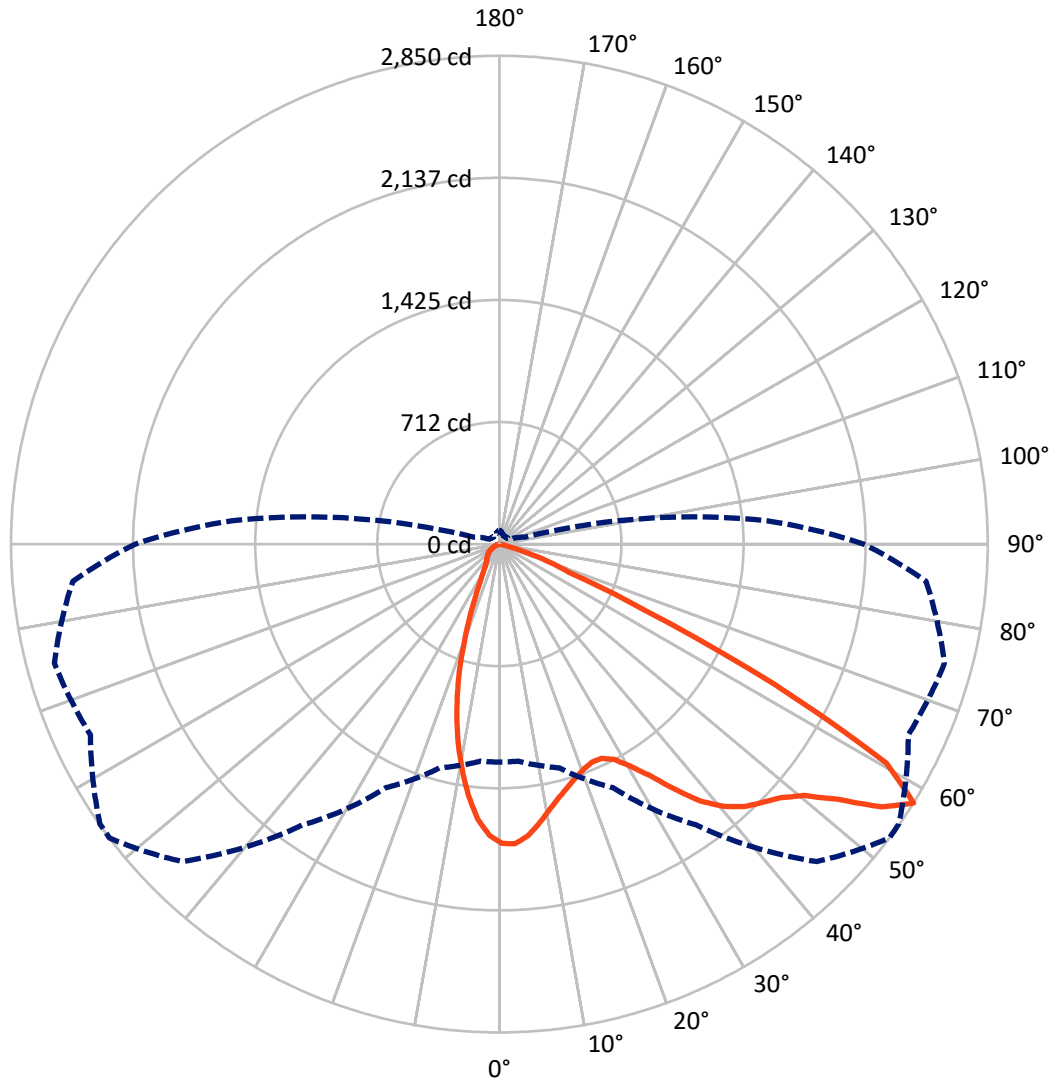
✕ Max cd
 - - - 1/2 Max cd



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	657.6	0.0	657.6
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	3323.6	0.0	3323.6
	% Fixture	83.5	0.0	83.5
Total	Lumens	3981.2	0.0	3981.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.4	3.8
10°-20°	328.0	8.2
20°-30°	427.3	10.7
30°-40°	619.9	15.6
40°-50°	894.4	22.5
50°-60°	1081.7	27.2
60°-70°	440.9	11.1
70°-80°	39.6	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°	3981.2	100.0
0°-180°	3981.2	100.0

Coefficient of Utilization



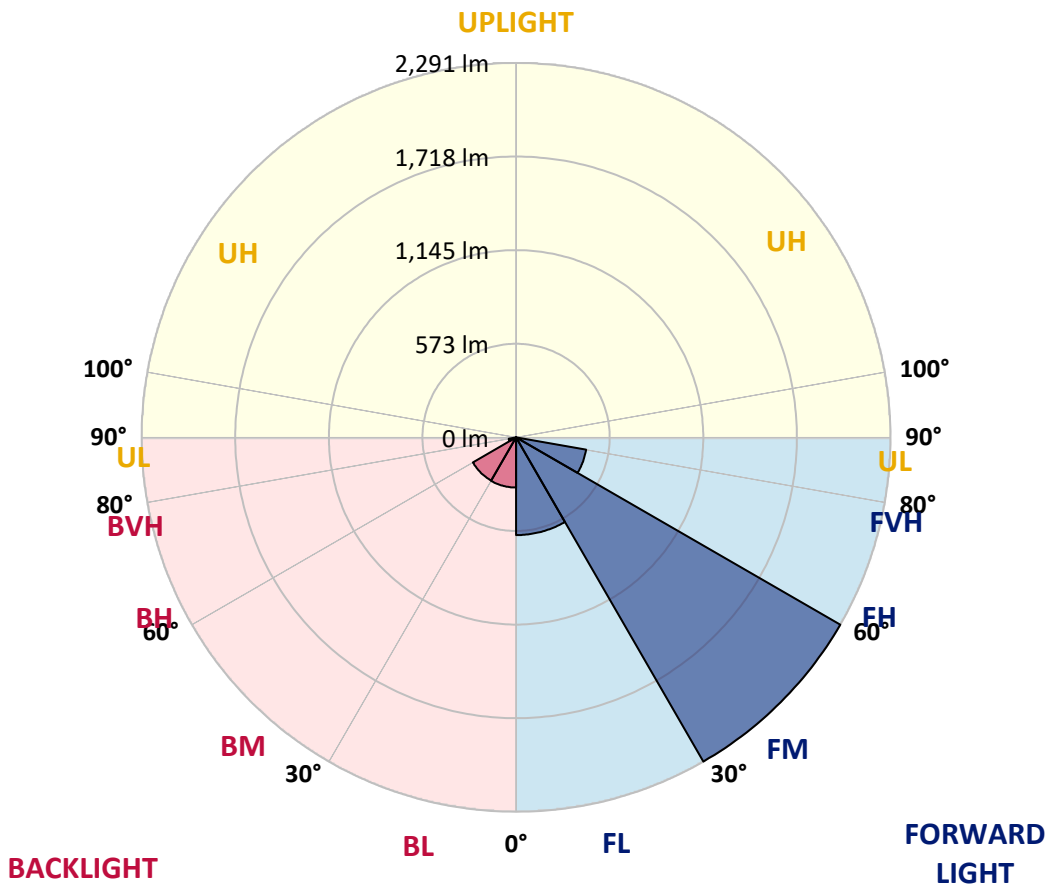
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	597.8	15.0			
FM (30°-60°)	2290.7	57.5			
FH (60°-80°)	435.0	10.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	306.9	7.7	B1/500		
BM (30°-60°)	305.2	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°	1746.4	1746.4	1746.4	1746.4	1746.4	1746.4	1746.4	1746.4	1746.4	1746.4	1746.4
2.5°	1722.0	1725.9	1732.7	1741.5	1747.4	1750.3	1750.3	1758.6	1753.2	1748.8	1743.9
5°	1648.3	1652.2	1661.5	1675.6	1689.8	1700.0	1711.7	1720.5	1723.9	1723.9	1715.6
7.5°	1544.4	1549.7	1555.6	1575.1	1605.9	1628.8	1648.8	1661.5	1680.0	1685.9	1674.2
10°	1432.6	1438.0	1451.2	1478.0	1513.1	1547.3	1581.5	1597.6	1629.3	1645.9	1632.7
12.5°	1338.0	1340.4	1358.0	1390.2	1435.1	1481.9	1523.4	1540.0	1584.9	1609.8	1594.1
15°	1259.9	1261.4	1278.9	1314.5	1366.3	1423.8	1476.1	1493.1	1548.3	1585.8	1562.4
17.5°	1200.9	1201.3	1216.5	1255.0	1309.2	1373.1	1435.1	1456.0	1527.3	1572.7	1537.5
20°	1171.1	1169.6	1180.4	1214.0	1265.3	1329.2	1402.4	1428.2	1515.6	1570.7	1518.5
22.5°	1171.6	1168.2	1172.5	1196.5	1239.9	1299.9	1381.9	1411.2	1516.6	1579.0	1502.4
25°	1199.4	1194.5	1195.5	1208.2	1238.9	1293.6	1384.8	1416.0	1536.1	1606.8	1496.5
27.5°	1246.2	1240.9	1240.9	1247.2	1263.8	1313.6	1421.4	1457.0	1588.3	1661.0	1508.7
30°	1306.7	1301.4	1299.4	1305.8	1319.4	1365.3	1502.9	1540.0	1677.6	1749.8	1547.8
32.5°	1376.0	1369.7	1373.1	1381.9	1395.1	1458.5	1607.8	1657.1	1789.3	1869.3	1618.0
35°	1449.2	1443.9	1459.5	1478.5	1499.0	1587.8	1752.7	1795.7	1926.4	2018.2	1725.4
37.5°	1519.0	1516.6	1549.2	1589.3	1631.7	1743.0	1900.1	1933.3	2044.0	2180.2	1856.7
40°	1588.8	1588.3	1644.4	1714.7	1782.5	1897.6	2011.8	2039.2	2115.8	2306.1	1982.6
42.5°	1666.8	1666.8	1744.4	1838.1	1928.4	2028.4	2093.8	2106.0	2148.0	2378.8	2077.2
45°	1741.5	1745.9	1835.7	1944.5	2051.4	2130.4	2150.4	2151.4	2161.1	2421.7	2155.8
47.5°	1800.5	1804.4	1911.8	2037.2	2152.4	2208.0	2210.9	2206.5	2195.8	2462.7	2216.3
50°	1848.4	1854.2	1966.4	2099.2	2221.6	2282.6	2305.1	2300.7	2273.4	2506.6	2258.7
52.5°	1871.8	1880.1	1985.5	2129.9	2298.7	2410.5	2472.9	2483.2	2389.5	2531.0	2299.2
55°	1684.4	1696.6	1793.7	1991.3	2341.7	2608.1	2706.2	2704.2	2515.4	2603.7	2397.8
57.5°	1272.1	1271.1	1351.6	1567.8	2000.1	2619.3	2849.6	2845.7	2633.0	2688.1	2498.8
60°	866.1	860.3	881.7	986.2	1398.5	2133.8	2593.5	2646.2	2549.6	2483.2	2121.6
62.5°	712.9	707.5	700.7	671.9	803.2	1329.2	1791.8	1871.8	1859.1	1725.9	1330.6
65°	583.6	588.0	607.0	594.8	558.7	681.7	930.0	977.4	893.4	751.9	465.0
67.5°	430.4	432.3	457.2	521.6	502.1	453.8	437.7	445.5	261.1	120.0	77.6
70°	254.2	255.7	278.6	365.0	407.4	348.4	295.7	291.3	103.4	32.2	35.1
72.5°	143.9	141.0	145.4	173.7	222.0	184.9	152.2	138.6	31.2	18.1	18.1
75°	68.3	66.4	57.1	53.7	48.8	31.2	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°	1746.4	1746.4	1746.4	1746.4	1746.4	1746.4	1746.4	1746.4	1746.4	1746.4	1746.4
2.5°	1735.2	1720.5	1717.1	1716.1	1702.5	1687.8	1672.7	1666.8	1658.1	1652.7	1657.1
5°	1702.5	1681.5	1662.9	1645.9	1615.6	1582.4	1553.6	1535.1	1517.5	1505.8	1508.7
7.5°	1656.1	1628.8	1586.3	1542.9	1487.3	1437.5	1381.9	1347.7	1316.0	1298.4	1306.7
10°	1606.8	1570.7	1502.9	1429.2	1341.9	1263.8	1184.3	1119.4	1081.8	1046.2	1050.1
12.5°	1558.5	1510.7	1409.2	1297.5	1187.2	1072.0	952.0	862.2	800.7	756.3	749.5
15°	1513.6	1452.1	1318.0	1170.6	1020.3	867.1	713.9	585.5	514.3	470.4	467.5
17.5°	1473.6	1397.5	1223.3	1037.9	849.5	653.4	477.2	381.1	340.1	321.1	319.1
20°	1435.1	1342.4	1126.7	903.2	663.1	458.7	329.4	285.0	271.8	264.0	265.0
22.5°	1398.0	1282.3	1025.2	753.9	497.2	322.0	255.2	238.1	236.7	237.6	238.1
25°	1366.8	1227.2	920.8	609.9	354.7	245.4	213.2	208.4	212.7	219.1	220.1
27.5°	1350.7	1182.3	818.8	465.0	256.7	199.6	184.9	186.9	194.7	201.5	202.5
30°	1355.0	1148.6	713.4	337.2	197.6	168.3	163.5	167.4	175.2	181.5	182.5
32.5°	1386.3	1131.6	605.5	245.4	162.5	146.9	144.9	147.8	154.7	159.6	160.0
35°	1448.2	1135.5	503.1	187.9	139.6	130.8	130.3	132.2	135.7	139.1	139.6
37.5°	1539.5	1167.2	402.1	156.1	126.4	120.0	118.1	118.1	120.5	122.0	123.0
40°	1637.6	1215.0	322.0	138.1	117.1	110.3	106.4	104.9	106.9	108.8	109.3
42.5°	1718.6	1262.8	261.5	125.4	109.8	100.5	95.6	94.7	97.1	100.5	101.5
45°	1780.5	1299.9	218.1	115.2	101.5	91.2	85.9	85.9	90.3	96.1	97.1
47.5°	1837.1	1329.7	185.9	105.9	93.7	83.0	77.6	78.6	85.9	93.7	95.2
50°	1875.7	1353.6	162.0	97.6	87.3	76.1	71.2	73.2	82.0	91.2	92.7
52.5°	1917.2	1382.9	146.4	90.3	81.5	70.8	66.4	67.8	77.6	87.8	89.8
55°	2031.8	1480.9	145.9	80.5	71.2	63.4	61.5	62.0	71.7	83.4	85.9
57.5°	2125.5	1567.3	155.7	67.8	59.5	55.6	54.7	55.1	63.9	77.1	80.0
60°	1758.6	1217.9	128.8	56.1	49.8	48.8	47.3	48.3	56.6	68.3	70.8
62.5°	1040.8	696.3	61.5	42.9	42.5	41.5	40.0	42.0	49.8	60.0	61.5
65°	355.7	206.4	39.0	35.1	36.1	34.6	33.2	35.1	42.0	47.8	48.3
67.5°	68.3	54.7	31.2	29.3	29.8	26.8	26.3	28.3	32.2	33.2	32.7
70°	35.6	31.7	23.9	23.9	22.9	19.0	19.0	21.0	21.0	19.5	19.0
72.5°	18.5	17.6	15.6	17.6	14.6	11.7	11.7	12.7	11.7	9.8	9.8
75°	7.3	7.3	6.8	8.8	6.3	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)