

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: P631873

Luminaire Tested: GWS-SA2B-750-U-SL3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631873
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4129 lumens
Efficiency: N/A
Efficacy: 89.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

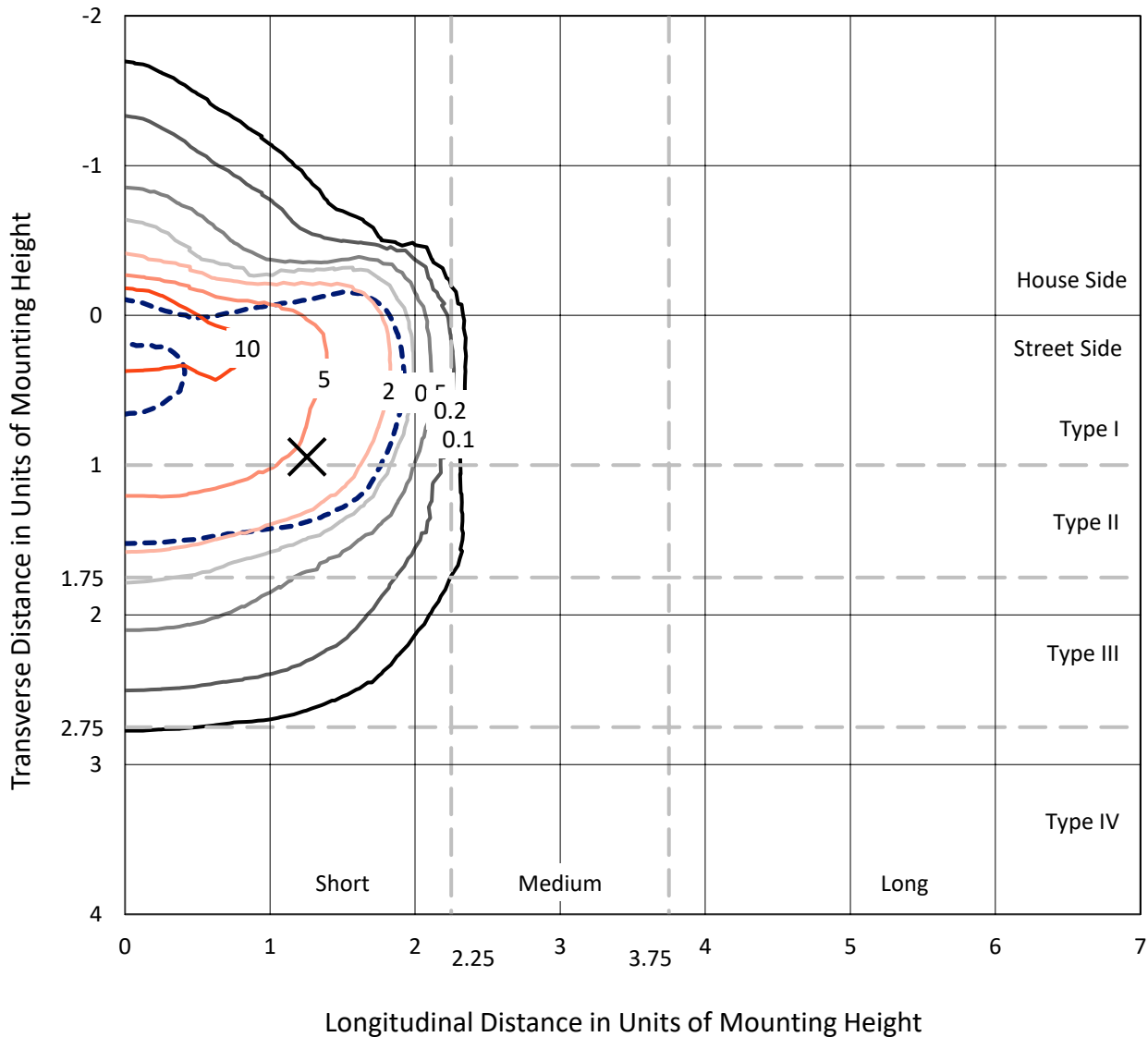
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

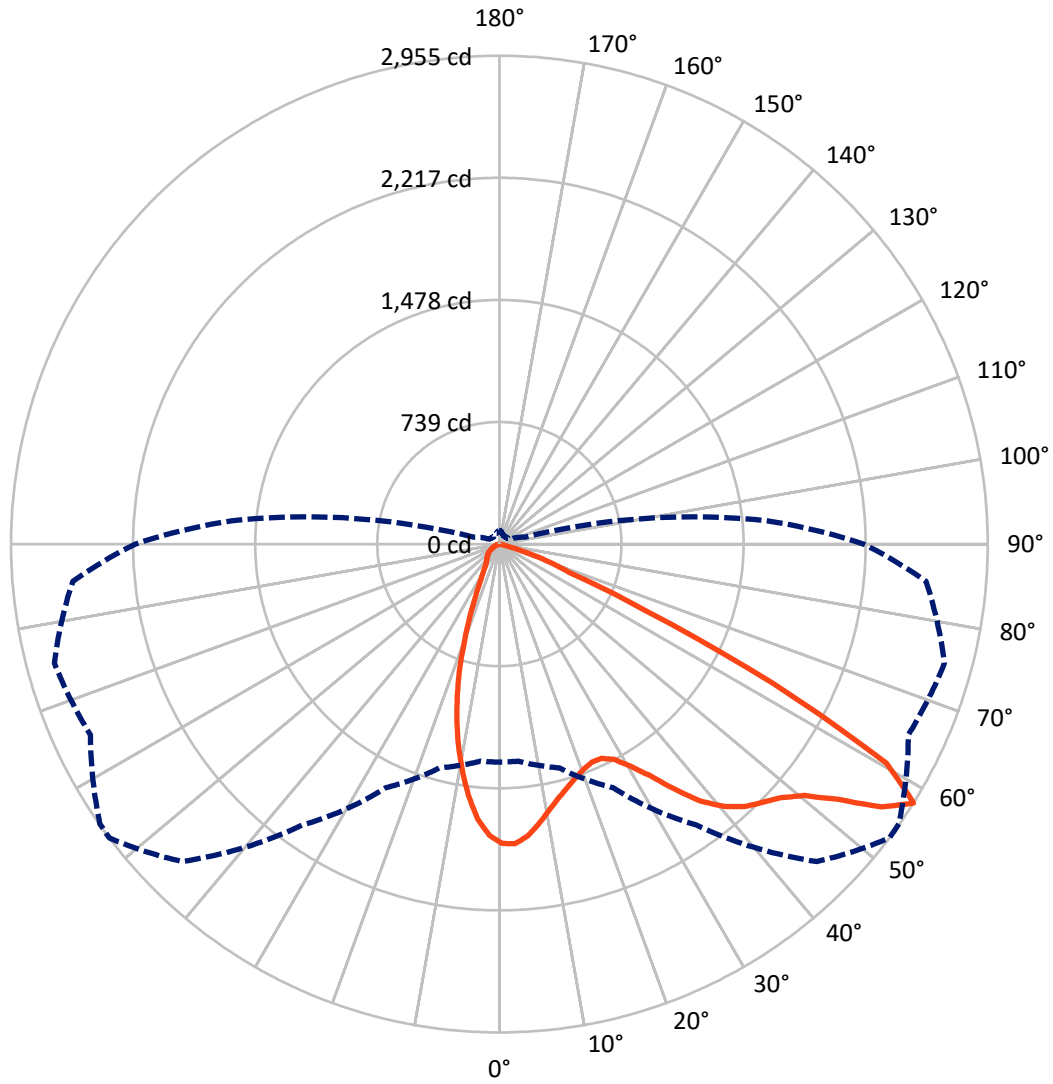
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 18.1 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	682.1	0.0	682.1
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	3446.9	0.0	3446.9
	% Fixture	83.5	0.0	83.5
Total	Lumens	4129.0	0.0	4129.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.0	3.8
10°-20°	340.2	8.2
20°-30°	443.2	10.7
30°-40°	642.9	15.6
40°-50°	927.6	22.5
50°-60°	1121.9	27.2
60°-70°	457.2	11.1
70°-80°	41.1	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°	4129.0	100.0
0°-180°	4129.0	100.0

Coefficient of Utilization



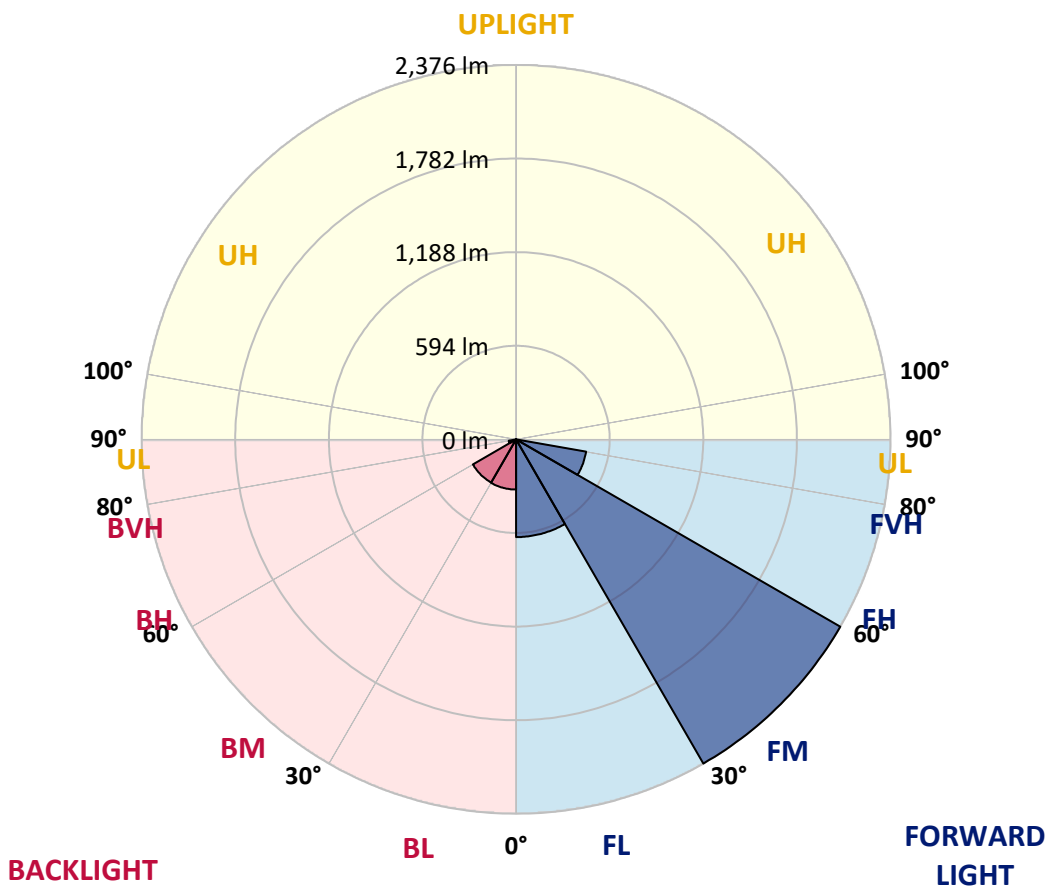
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	620.0	15.0			
FM (30°-60°)	2375.7	57.5			
FH (60°-80°)	451.2	10.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	318.3	7.7	B1/500		
BM (30°-60°)	316.6	7.7	B1/1000		
BH (60°-80°)	47.1	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°	1811.2	1811.2	1811.2	1811.2	1811.2	1811.2	1811.2	1811.2	1811.2	1811.2	1811.2
2.5°	1785.9	1790.0	1797.0	1806.2	1812.2	1815.3	1815.3	1823.9	1818.3	1813.7	1808.7
5°	1709.5	1713.5	1723.2	1737.8	1752.5	1763.1	1775.3	1784.4	1787.9	1787.9	1779.3
7.5°	1601.7	1607.3	1613.3	1633.6	1665.5	1689.3	1710.0	1723.2	1742.4	1748.5	1736.3
10°	1485.8	1491.4	1505.0	1532.9	1569.3	1604.7	1640.2	1656.9	1689.8	1707.0	1693.3
12.5°	1387.6	1390.2	1408.4	1441.8	1488.3	1536.9	1579.9	1597.1	1643.7	1669.5	1653.3
15°	1306.7	1308.2	1326.4	1363.3	1417.0	1476.7	1530.9	1548.6	1605.8	1644.7	1620.4
17.5°	1245.4	1245.9	1261.6	1301.6	1357.8	1424.1	1488.3	1510.1	1584.0	1631.1	1594.6
20°	1214.6	1213.0	1224.2	1259.1	1312.2	1378.5	1454.4	1481.3	1571.8	1629.0	1574.9
22.5°	1215.1	1211.5	1216.1	1240.9	1285.9	1348.2	1433.2	1463.5	1572.9	1637.6	1558.2
25°	1243.9	1238.9	1239.9	1253.0	1284.9	1341.6	1436.2	1468.6	1593.1	1666.5	1552.1
27.5°	1292.5	1286.9	1286.9	1293.5	1310.7	1362.3	1474.2	1511.1	1647.2	1722.7	1564.8
30°	1355.2	1349.7	1347.7	1354.2	1368.4	1416.0	1558.7	1597.1	1739.9	1814.8	1605.2
32.5°	1427.1	1420.5	1424.1	1433.2	1446.8	1512.6	1667.5	1718.6	1855.7	1938.7	1678.1
35°	1503.0	1497.5	1513.6	1533.4	1554.6	1646.7	1817.8	1862.3	1998.0	2093.1	1789.5
37.5°	1575.4	1572.9	1606.8	1648.3	1692.3	1807.7	1970.6	2005.0	2119.9	2261.1	1925.6
40°	1647.8	1647.2	1705.4	1778.3	1848.7	1968.1	2086.5	2114.9	2194.3	2391.7	2056.2
42.5°	1728.7	1728.7	1809.2	1906.4	2000.0	2103.7	2171.5	2184.2	2227.7	2467.1	2154.3
45°	1806.2	1810.7	1903.8	2016.7	2127.5	2209.5	2230.2	2231.3	2241.4	2511.6	2235.8
47.5°	1867.4	1871.4	1982.8	2112.8	2232.3	2290.0	2293.0	2288.4	2277.3	2554.1	2298.6
50°	1917.0	1923.1	2039.5	2177.1	2304.1	2367.4	2390.7	2386.1	2357.8	2599.7	2342.6
52.5°	1941.3	1949.9	2059.2	2209.0	2384.1	2500.0	2564.7	2575.4	2478.2	2625.0	2384.6
55°	1746.9	1759.6	1860.3	2065.3	2428.6	2704.9	2806.6	2804.6	2608.8	2700.4	2486.8
57.5°	1319.3	1318.3	1401.8	1626.0	2074.4	2716.6	2955.4	2951.4	2730.7	2787.9	2591.6
60°	898.3	892.2	914.5	1022.8	1450.4	2213.0	2689.7	2744.4	2644.2	2575.4	2200.4
62.5°	739.4	733.8	726.7	696.9	833.0	1378.5	1858.3	1941.3	1928.1	1790.0	1380.0
65°	605.3	609.8	629.5	616.9	579.4	707.0	964.6	1013.7	926.6	779.8	482.3
67.5°	446.4	448.4	474.2	541.0	520.7	470.6	453.9	462.0	270.7	124.5	80.5
70°	263.7	265.2	289.0	378.5	422.6	361.3	306.7	302.1	107.3	33.4	36.4
72.5°	149.3	146.3	150.8	180.2	230.3	191.8	157.9	143.7	32.4	18.7	18.7
75°	70.8	68.8	59.2	55.7	50.6	32.4	20.2	17.2	8.1	7.6	7.6
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°	1811.2	1811.2	1811.2	1811.2	1811.2	1811.2	1811.2	1811.2	1811.2	1811.2	1811.2
2.5°	1799.6	1784.4	1780.9	1779.8	1765.7	1750.5	1734.8	1728.7	1719.6	1714.0	1718.6
5°	1765.7	1743.9	1724.7	1707.0	1675.6	1641.2	1611.3	1592.1	1573.9	1561.7	1564.8
7.5°	1717.6	1689.3	1645.2	1600.2	1542.5	1490.9	1433.2	1397.8	1364.9	1346.6	1355.2
10°	1666.5	1629.0	1558.7	1482.3	1391.7	1310.7	1228.2	1160.9	1122.0	1085.0	1089.1
12.5°	1616.4	1566.8	1461.5	1345.6	1231.3	1111.8	987.3	894.2	830.5	784.4	777.3
15°	1569.8	1506.1	1366.9	1214.1	1058.2	899.3	740.4	607.3	533.4	487.8	484.8
17.5°	1528.3	1449.4	1268.7	1076.4	881.1	677.6	494.9	395.2	352.7	333.0	331.0
20°	1488.3	1392.2	1168.5	936.7	687.7	475.7	341.6	295.5	281.9	273.8	274.8
22.5°	1449.9	1329.9	1063.2	781.9	515.7	334.0	264.7	247.0	245.4	246.5	247.0
25°	1417.5	1272.8	954.9	632.6	367.9	254.6	221.2	216.1	220.6	227.2	228.2
27.5°	1400.8	1226.2	849.2	482.3	266.2	207.0	191.8	193.8	201.9	209.0	210.0
30°	1405.3	1191.3	739.9	349.7	205.0	174.6	169.5	173.6	181.7	188.3	189.3
32.5°	1437.7	1173.6	628.0	254.6	168.5	152.3	150.3	153.3	160.4	165.5	166.0
35°	1502.0	1177.6	521.8	194.8	144.7	135.6	135.1	137.1	140.7	144.2	144.7
37.5°	1596.6	1210.5	417.0	161.9	131.1	124.5	122.5	122.5	125.0	126.5	127.5
40°	1698.4	1260.1	334.0	143.2	121.5	114.4	110.3	108.8	110.8	112.9	113.4
42.5°	1782.4	1309.7	271.3	130.1	113.9	104.2	99.2	98.2	100.7	104.2	105.3
45°	1846.6	1348.2	226.2	119.4	105.3	94.6	89.1	89.1	93.6	99.7	100.7
47.5°	1905.3	1379.0	192.8	109.8	97.2	86.0	80.5	81.5	89.1	97.2	98.7
50°	1945.3	1403.8	168.0	101.2	90.6	78.9	73.9	75.9	85.0	94.6	96.2
52.5°	1988.3	1434.2	151.8	93.6	84.5	73.4	68.8	70.3	80.5	91.1	93.1
55°	2107.3	1535.9	151.3	83.5	73.9	65.8	63.8	64.3	74.4	86.5	89.1
57.5°	2204.4	1625.5	161.4	70.3	61.7	57.7	56.7	57.2	66.3	80.0	83.0
60°	1823.9	1263.1	133.6	58.2	51.6	50.6	49.1	50.1	58.7	70.8	73.4
62.5°	1079.4	722.2	63.8	44.5	44.0	43.0	41.5	43.5	51.6	62.2	63.8
65°	368.9	214.1	40.5	36.4	37.4	35.9	34.4	36.4	43.5	49.6	50.1
67.5°	70.8	56.7	32.4	30.4	30.9	27.8	27.3	29.4	33.4	34.4	33.9
70°	36.9	32.9	24.8	24.8	23.8	19.7	19.7	21.8	21.8	20.2	19.7
72.5°	19.2	18.2	16.2	18.2	15.2	12.1	12.1	13.2	12.1	10.1	10.1
75°	7.6	7.6	7.1	9.1	6.6	5.6	5.1	6.1	4.6	3.5	3.5
77.5°	2.0	2.0	2.0	2.5	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)