

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: P634265

Luminaire Tested: GWS-SA3B-735-U-T3R-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634265  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-16)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3B-735-U-T3R-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (48) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

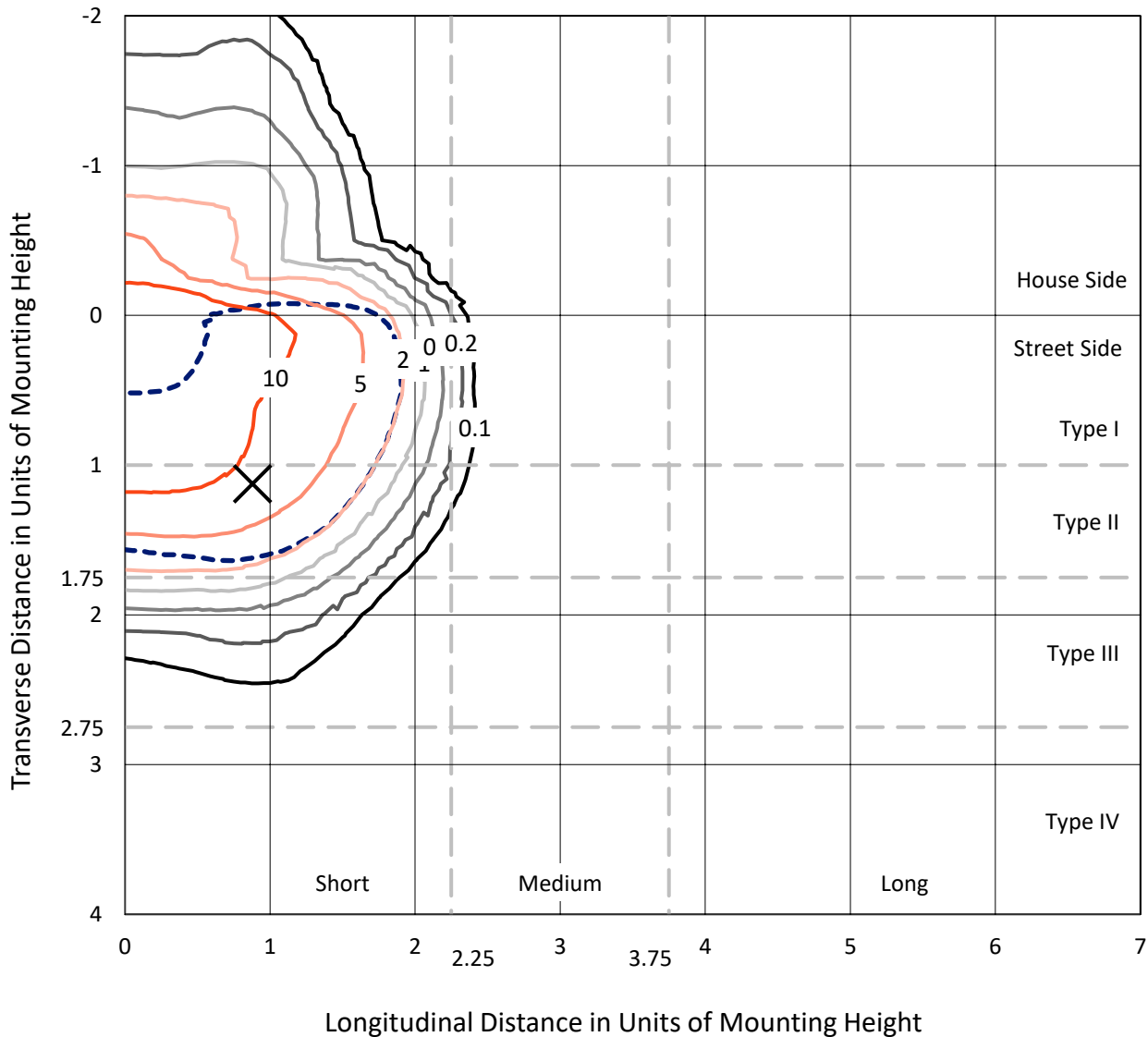
Lumens per Lamp: N/A  
Luminaire Lumens: 6434.3 lumens  
Efficiency: N/A  
Efficacy: 94.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 68.3  
Input Voltage (V): 120  
Input Current (Ain): 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

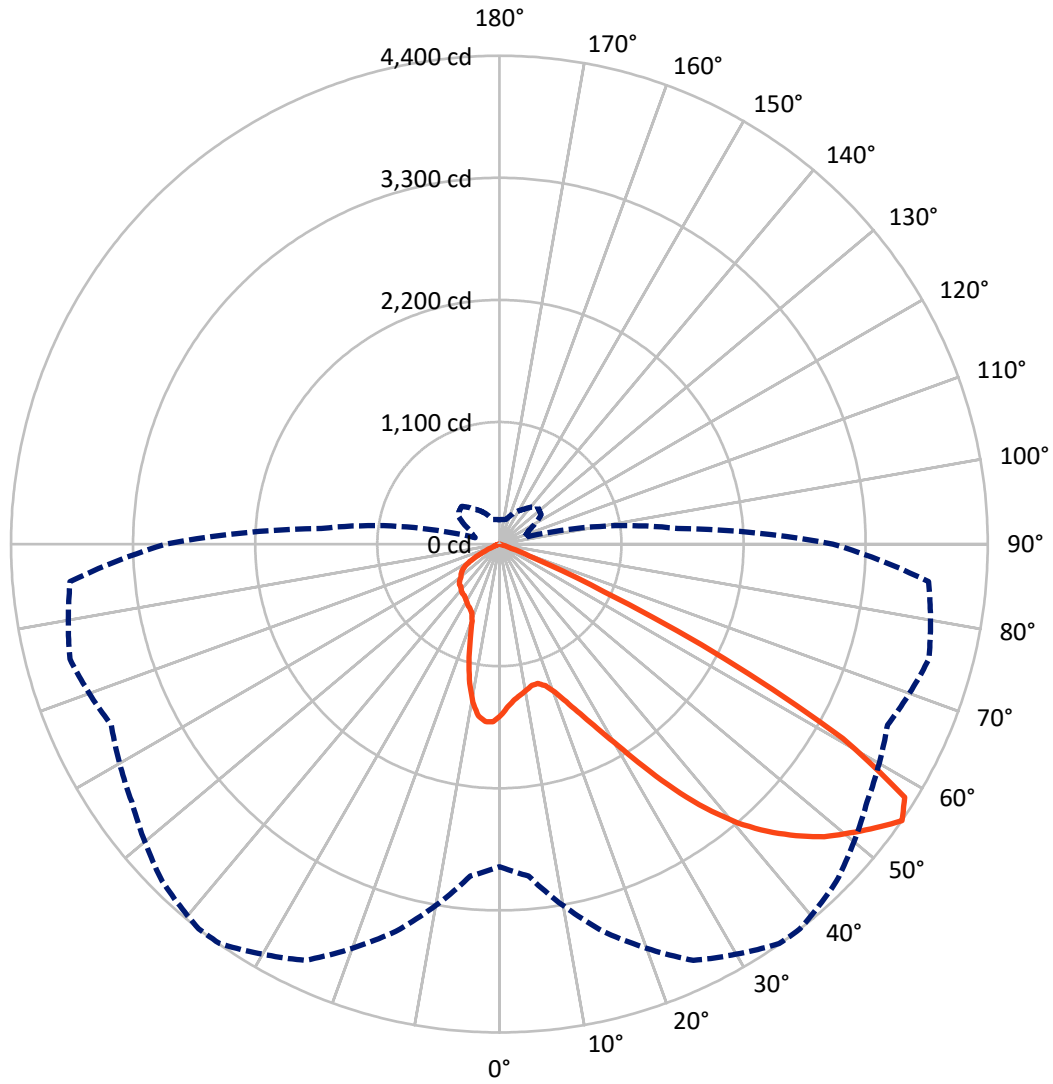
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.1 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1253.6	0.0	1253.6
	% Fixture	19.5	0.0	19.5
<b>Street Side</b>	Lumens	5180.7	0.0	5180.7
	% Fixture	80.5	0.0	80.5
<b>Total</b>	Lumens	6434.3	0.0	6434.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	142.7	2.2
10°-20°	384.1	6.0
20°-30°	659.1	10.2
30°-40°	1093.2	17.0
40°-50°	1607.0	25.0
50°-60°	1877.9	29.2
60°-70°	636.5	9.9
70°-80°	32.5	0.5
80°-90°	1.3	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°	6434.3	100.0
0°-180°	6434.3	100.0

**Coefficient of Utilization**

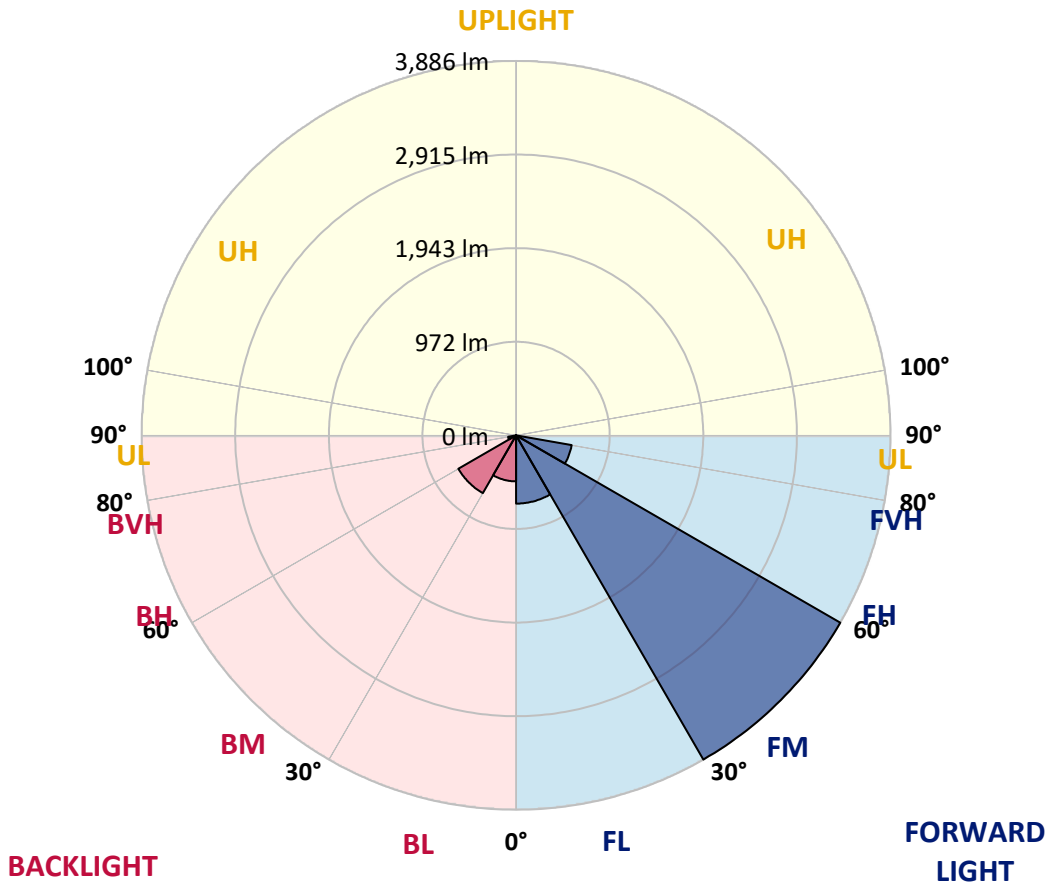


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	708.3	11.0			
FM (30°-60°)	3886.1	60.4			
FH (60°-80°)	585.6	9.1			G0/660
FVH (80°-90°)	0.7	0.0			G0/10
BL (0°-30°)	477.6	7.4	B1/500		
BM (30°-60°)	691.9	10.8	B1/1000		
BH (60°-80°)	83.5	1.3	B0/110		G0/110
BVH (80°-90°)	0.6	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°	38°	45°	55°	65°	75°	85°
0°	1543.0	1543.0	1543.0	1543.0	1543.0	1543.0	1543.0	1543.0	1543.0	1543.0	1543.0
2.5°	1437.1	1434.1	1440.0	1451.8	1462.8	1466.5	1477.5	1493.0	1502.5	1525.3	1543.7
5°	1372.4	1370.9	1376.8	1387.1	1401.8	1406.9	1423.8	1449.6	1475.3	1515.0	1554.0
7.5°	1313.5	1312.8	1321.6	1344.4	1365.7	1372.4	1393.0	1424.6	1459.2	1520.2	1577.6
10°	1236.3	1237.0	1254.0	1286.3	1325.3	1338.5	1371.6	1417.2	1462.1	1540.8	1620.2
12.5°	1211.3	1212.8	1221.6	1246.6	1289.3	1306.2	1352.5	1421.6	1479.0	1570.2	1675.4
15°	1272.3	1272.3	1265.0	1267.9	1287.1	1302.5	1351.0	1436.4	1507.7	1605.5	1729.8
17.5°	1390.8	1386.3	1368.0	1342.9	1336.3	1341.5	1380.5	1468.0	1548.1	1646.7	1791.6
20°	1551.1	1552.6	1516.5	1464.3	1422.4	1421.6	1445.2	1523.9	1606.2	1696.0	1858.5
22.5°	1745.2	1739.4	1691.6	1620.2	1547.4	1541.5	1551.1	1609.2	1690.1	1773.9	1940.9
25°	1970.3	1967.4	1899.7	1804.1	1707.7	1693.8	1693.8	1751.1	1810.0	1885.0	2039.4
27.5°	2205.6	2205.6	2140.2	2029.9	1901.9	1876.9	1873.2	1940.9	1979.9	1994.6	2122.5
30°	2447.6	2444.7	2379.9	2266.7	2129.9	2104.2	2093.9	2143.9	2171.8	2127.7	2226.2
32.5°	2693.3	2698.4	2632.9	2527.8	2405.7	2388.8	2357.1	2357.1	2379.9	2318.2	2389.5
35°	2957.3	2955.8	2904.3	2833.0	2728.6	2709.4	2657.2	2575.6	2610.1	2582.9	2615.3
37.5°	3190.4	3201.5	3176.5	3123.5	3038.9	3019.8	2933.7	2785.9	2812.4	2855.1	2883.7
40°	3427.2	3436.1	3461.1	3444.2	3337.5	3302.2	3149.2	2906.5	2936.0	3082.3	3164.7
42.5°	3659.6	3664.1	3714.8	3742.8	3600.1	3538.3	3312.5	2980.1	3011.0	3260.3	3404.4
45°	3807.5	3817.0	3900.9	3986.2	3831.7	3747.2	3454.5	3074.2	3087.5	3383.9	3581.7
47.5°	3801.6	3823.7	3981.0	4136.2	4031.1	3939.9	3625.1	3225.0	3202.9	3500.1	3698.6
50°	3683.2	3709.7	3935.4	4181.8	4174.5	4089.9	3814.8	3443.4	3374.3	3603.0	3713.3
52.5°	3437.5	3514.0	3855.3	4187.7	4289.9	4247.3	4049.4	3737.6	3606.0	3750.8	3736.9
55°	2906.5	3000.7	3611.8	4137.7	4394.4	4399.5	4295.8	4044.3	3857.5	4005.3	3881.8
57.5°	2206.4	2281.4	2780.0	3683.2	4221.5	4306.1	4391.4	4206.1	4012.7	4178.9	3915.6
60°	1329.7	1416.5	1740.8	2702.8	3409.6	3553.7	3888.4	3852.3	3619.2	3690.5	3211.0
62.5°	539.1	584.7	803.9	1489.3	2146.1	2280.7	2601.3	2655.7	2598.4	2525.6	1947.5
65°	197.1	215.5	322.1	615.6	987.0	1036.3	1205.4	1301.8	1381.2	1176.0	724.4
67.5°	122.1	133.9	209.6	316.2	358.9	333.9	339.8	405.2	386.9	239.0	129.4
70°	90.5	100.0	164.0	219.2	144.9	111.8	75.8	80.9	72.8	64.0	63.2
72.5°	62.5	71.3	122.8	129.4	55.9	39.7	27.9	39.0	44.1	43.4	44.9
75°	41.2	47.8	77.2	50.7	14.0	11.0	9.6	20.6	26.5	26.5	27.2
77.5°	24.3	27.9	27.2	10.3	2.9	2.9	2.2	3.7	5.9	6.6	8.1
80°	2.9	2.2	1.5	1.5	1.5	1.5	1.5	1.5	2.2	2.2	2.2
82.5°	0.7	0.7	0.7	1.5	1.5	1.5	1.5	1.5	1.5	2.2	2.2
85°	0.0	0.0	0.7	0.7	1.5	1.5	1.5	1.5	1.5	2.2	2.2
87.5°	0.0	0.0	0.7	0.7	1.5	1.5	1.5	1.5	1.5	2.2	2.2
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°	1543.0	1543.0	1543.0	1543.0	1543.0	1543.0	1543.0	1543.0	1543.0	1543.0	1543.0
2.5°	1557.7	1552.6	1573.9	1589.3	1601.8	1607.7	1599.6	1598.9	1598.9	1582.7	1578.3
5°	1576.1	1578.3	1608.5	1621.7	1623.9	1616.5	1598.2	1585.7	1578.3	1561.4	1551.8
7.5°	1611.4	1618.7	1647.4	1645.2	1625.4	1591.5	1543.0	1505.5	1481.2	1454.7	1438.6
10°	1662.1	1676.1	1693.8	1662.9	1599.6	1513.6	1413.6	1342.2	1299.6	1269.4	1251.0
12.5°	1723.9	1737.9	1732.0	1659.2	1527.5	1373.8	1245.1	1142.2	1092.9	1065.7	1046.6
15°	1786.4	1795.3	1757.0	1615.1	1400.3	1193.7	1050.2	948.0	887.7	865.6	849.5
17.5°	1850.4	1848.2	1761.4	1528.3	1230.4	990.7	849.5	779.6	762.7	759.0	757.5
20°	1917.3	1897.5	1743.8	1404.0	1026.0	789.9	709.7	714.1	745.0	759.7	762.7
22.5°	1993.8	1943.8	1699.6	1235.6	817.1	658.2	666.3	709.7	751.6	771.5	774.4
25°	2075.5	1986.5	1626.1	1019.3	644.3	605.3	653.1	703.1	748.0	772.2	775.2
27.5°	2129.2	1996.8	1505.5	801.7	553.1	584.7	635.4	683.2	729.6	756.1	759.7
30°	2187.3	1992.4	1341.5	617.8	522.2	567.0	611.2	654.6	697.2	726.6	729.6
32.5°	2272.6	1989.4	1141.4	501.6	509.7	553.1	585.4	621.5	650.9	667.8	665.6
35°	2384.4	1985.7	908.3	452.3	502.3	542.0	567.8	584.7	552.3	542.0	544.2
37.5°	2527.8	1994.6	711.9	431.7	500.1	539.1	561.2	512.6	462.6	443.5	440.5
40°	2686.6	2017.4	542.8	423.6	507.5	546.4	536.2	456.0	394.2	356.7	348.6
42.5°	2846.2	2042.4	429.5	420.7	520.0	567.0	495.0	414.8	322.1	300.8	297.9
45°	2964.6	2038.0	371.4	415.5	531.0	578.8	483.9	356.0	287.6	278.0	278.7
47.5°	3024.2	1989.4	339.8	403.8	535.4	567.0	456.7	331.7	264.0	274.3	283.2
50°	2992.6	1863.7	310.4	381.0	525.9	551.6	413.3	313.3	252.3	294.9	314.8
52.5°	2954.3	1709.2	278.0	345.7	503.1	530.3	396.4	308.2	244.9	284.6	299.3
55°	3005.1	1611.4	225.1	291.2	458.2	480.3	383.2	307.4	228.0	221.4	219.2
57.5°	2933.7	1416.5	161.1	209.6	351.5	380.2	373.6	302.3	202.3	201.5	204.5
60°	2267.4	864.2	110.3	133.1	215.5	242.7	339.0	289.0	174.3	160.3	161.1
62.5°	1288.5	367.7	75.8	82.4	110.3	130.9	258.9	262.6	161.1	153.0	161.1
65°	448.6	131.6	58.8	55.2	61.0	69.9	148.6	203.0	146.4	132.4	133.9
67.5°	92.7	65.5	52.2	45.6	45.6	45.6	75.8	126.5	120.6	105.2	106.6
70°	58.8	55.9	45.6	39.0	37.5	34.6	43.4	69.9	83.1	76.5	77.2
72.5°	43.4	42.7	36.0	31.6	27.9	25.0	27.2	34.6	42.7	44.1	44.9
75°	26.5	27.2	23.5	19.9	17.7	15.4	16.2	16.2	16.2	14.7	16.2
77.5°	8.1	8.8	7.4	5.9	5.1	5.1	5.1	4.4	3.7	2.2	2.2
80°	2.2	2.2	2.2	2.2	2.2	1.5	1.5	0.7	0.7	0.0	0.0
82.5°	2.2	2.2	2.2	2.2	1.5	1.5	0.7	0.7	0.0	0.0	0.0
85°	2.2	2.2	2.2	2.2	1.5	1.5	0.7	0.7	0.0	0.0	0.0
87.5°	2.2	2.2	2.2	2.2	1.5	1.5	0.7	0.7	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)