

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: P634781

Luminaire Tested: GWS-SA3C-740-U-RW-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634781  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-50)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3C-740-U-RW-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (48) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

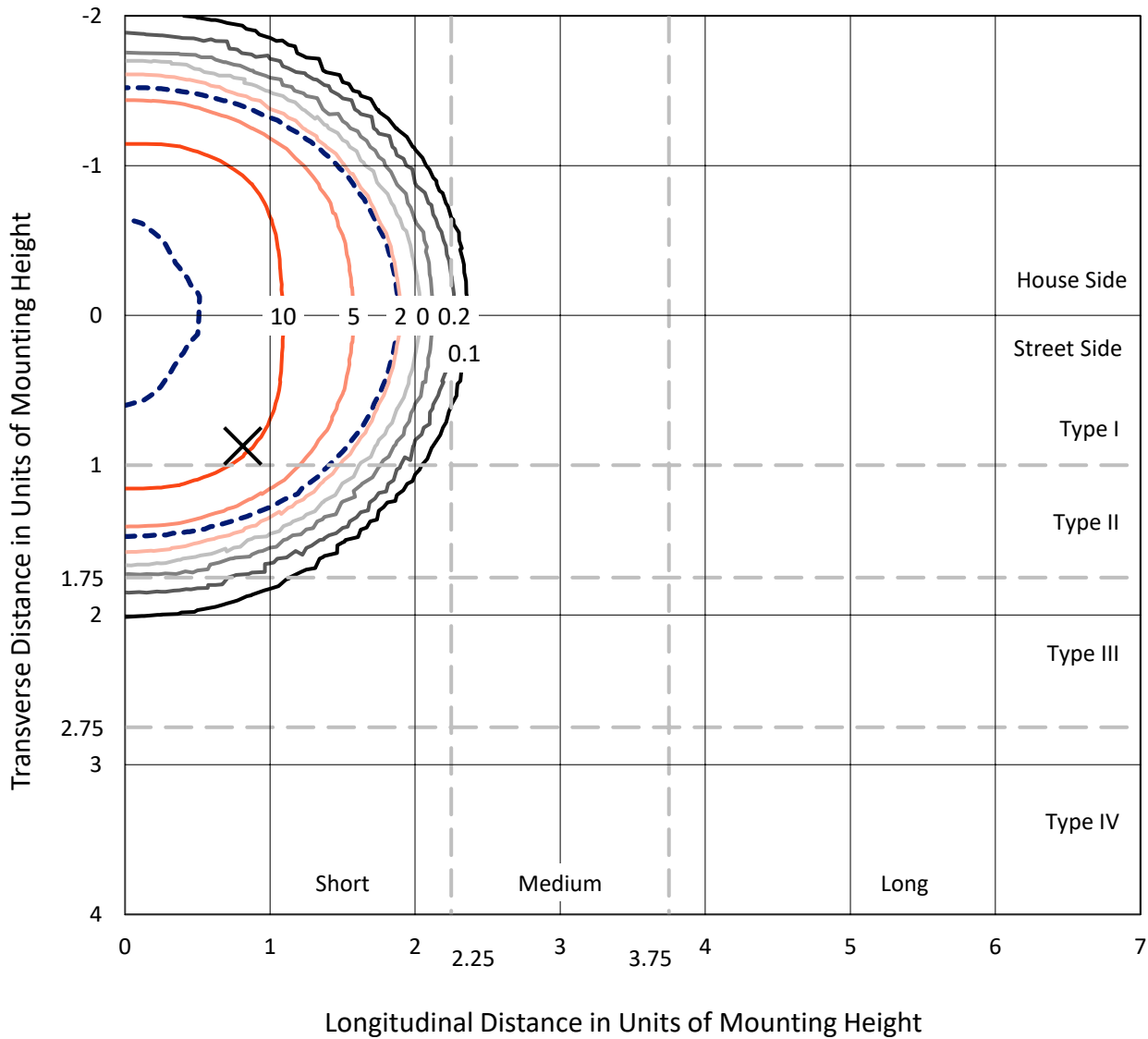
Lumens per Lamp: N/A  
Luminaire Lumens: 9041 lumens  
Efficiency: N/A  
Efficacy: 97.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G0  
  
Input Watts (W): 93  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

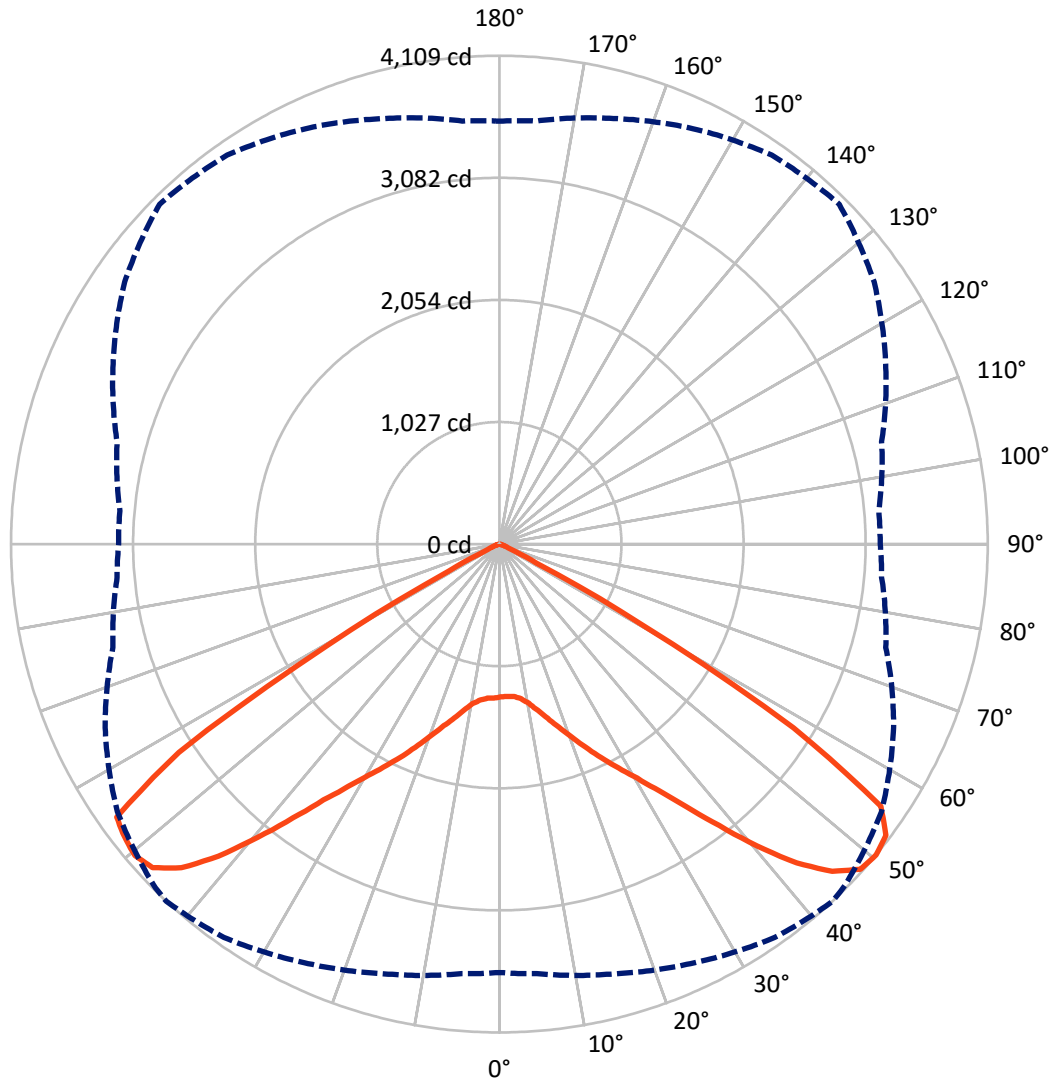
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.4 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 43-Deg Lateral    - - - Horizontal Cone Through 50-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4520.4	0.0	4520.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4520.6	0.0	4520.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	9041.0	0.0	9041.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	126.6	1.4
10°-20°	435.8	4.8
20°-30°	881.7	9.8
30°-40°	1635.8	18.1
40°-50°	2715.3	30.0
50°-60°	2771.1	30.7
60°-70°	454.4	5.0
70°-80°	19.9	0.2
80°-90°	0.3	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°	9041.0	100.0
0°-180°	9041.0	100.0

**Coefficient of Utilization**



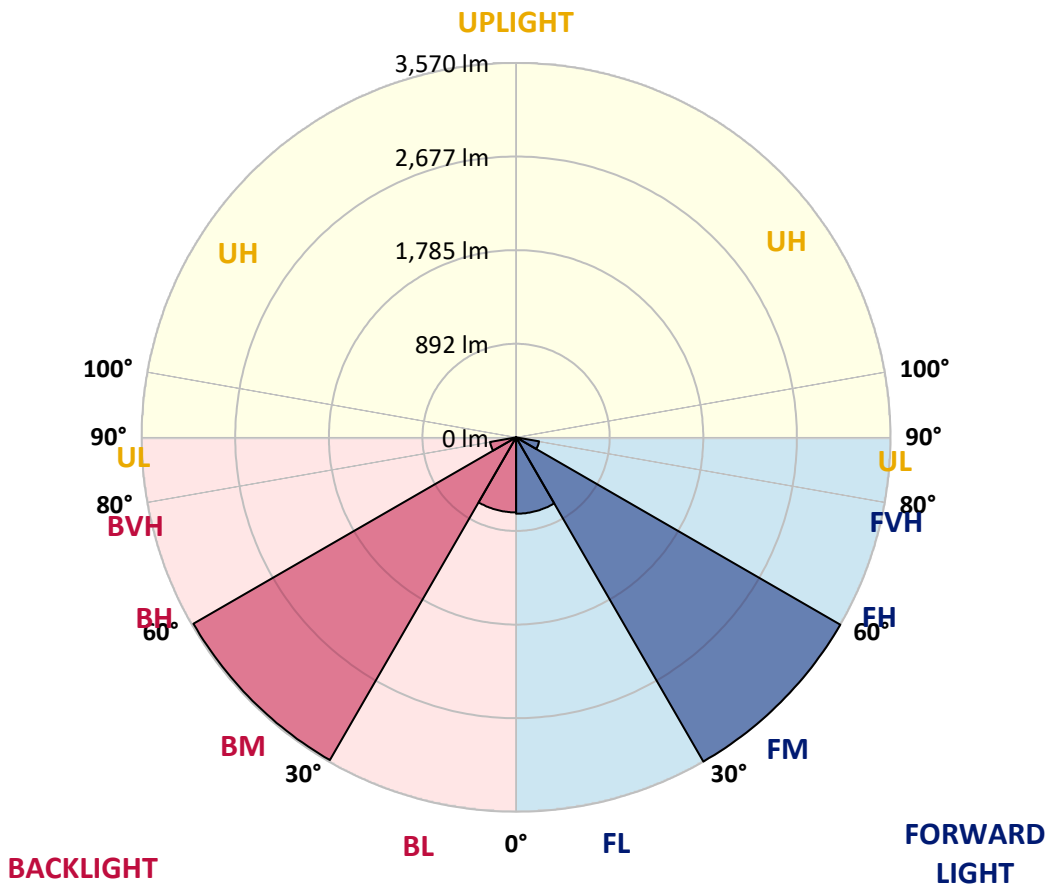
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	728.4	8.1			
FM (30°-60°)	3569.8	39.5			
FH (60°-80°)	222.3	2.5			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	715.7	7.9	B2/1000		
BM (30°-60°)	3552.5	39.3	B3/5000		
BH (60°-80°)	252.0	2.8	B1/500		G0/660
BVH (80°-90°)	0.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G0**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9
2.5°	1261.9	1264.9	1268.9	1272.9	1277.9	1282.9	1285.9	1294.9	1292.9	1300.9	1300.9
5°	1247.9	1250.9	1255.9	1264.9	1275.9	1286.9	1294.9	1312.9	1322.9	1338.9	1344.9
7.5°	1254.9	1258.9	1264.9	1278.9	1295.9	1312.9	1321.9	1350.9	1370.9	1400.9	1417.9
10°	1277.9	1281.9	1291.9	1315.9	1337.9	1361.9	1372.9	1409.9	1441.9	1482.9	1506.9
12.5°	1303.9	1308.9	1328.9	1364.9	1402.9	1434.9	1449.9	1490.9	1523.9	1569.9	1607.9
15°	1330.9	1338.9	1369.9	1422.9	1476.9	1519.9	1535.9	1579.9	1612.9	1661.9	1704.9
17.5°	1393.9	1402.9	1437.9	1494.9	1568.9	1618.9	1632.9	1678.9	1703.9	1736.9	1781.9
20°	1472.9	1489.9	1532.9	1601.9	1682.9	1730.9	1740.9	1785.9	1783.9	1797.9	1836.9
22.5°	1570.9	1582.9	1629.9	1711.9	1802.9	1855.9	1878.9	1897.9	1872.9	1860.9	1885.9
25°	1672.9	1686.9	1737.9	1827.9	1929.9	1990.9	2009.9	2024.9	1984.9	1939.9	1942.9
27.5°	1804.9	1814.9	1864.9	1960.9	2062.9	2131.9	2148.9	2174.9	2121.9	2049.9	2029.9
30°	1961.9	1971.9	2024.9	2125.9	2226.9	2285.9	2311.9	2343.9	2285.9	2195.9	2172.9
32.5°	2145.9	2155.9	2223.9	2327.9	2410.9	2474.9	2499.9	2533.9	2487.9	2386.9	2360.9
35°	2365.9	2371.9	2451.9	2564.9	2652.9	2714.9	2731.9	2771.9	2720.9	2619.9	2605.9
37.5°	2620.9	2627.9	2714.9	2845.9	2935.9	3004.9	3031.9	3042.9	2980.9	2867.9	2856.9
40°	2900.9	2923.9	3008.9	3149.9	3250.8	3337.8	3361.8	3324.8	3237.8	3083.9	3063.9
42.5°	3192.8	3212.8	3307.8	3460.8	3577.8	3666.8	3667.8	3587.8	3439.8	3226.8	3196.8
45°	3435.8	3443.8	3566.8	3720.8	3864.8	3927.8	3933.8	3788.8	3565.8	3309.8	3245.8
47.5°	3602.8	3615.8	3722.8	3870.8	4029.8	4086.8	4074.8	3893.8	3625.8	3363.8	3257.8
50°	3604.8	3626.8	3742.8	3885.8	4039.8	4108.8	4091.8	3923.8	3659.8	3365.8	3228.8
52.5°	3285.8	3321.8	3510.8	3717.8	3953.8	4071.8	4075.8	3962.8	3646.8	3333.8	3202.8
55°	2478.9	2517.9	2755.9	3108.9	3564.8	3893.8	3950.8	3916.8	3631.8	3347.8	3248.8
57.5°	1311.9	1281.9	1413.9	1763.9	2336.9	2918.9	3085.9	3357.8	3464.8	3364.8	3333.8
60°	286.0	305.0	406.0	547.0	912.0	1372.9	1535.9	2001.9	2555.9	2801.9	2979.9
62.5°	123.0	121.0	126.0	143.0	209.0	348.0	425.0	694.0	1094.9	1503.9	1780.9
65°	101.0	102.0	106.0	106.0	99.0	100.0	105.0	159.0	256.0	359.0	482.0
67.5°	76.0	77.0	84.0	86.0	81.0	72.0	71.0	60.0	63.0	79.0	82.0
70°	48.0	48.0	52.0	54.0	54.0	50.0	49.0	43.0	42.0	48.0	54.0
72.5°	26.0	26.0	28.0	29.0	28.0	27.0	27.0	26.0	25.0	29.0	37.0
75°	11.0	11.0	12.0	12.0	11.0	11.0	11.0	11.0	11.0	13.0	20.0
77.5°	2.0	3.0	4.0	3.0	2.0	2.0	2.0	3.0	3.0	4.0	6.0
80°	1.0	1.0	2.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0
82.5°	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
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°	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9	1285.9
2.5°	1307.9	1296.9	1300.9	1302.9	1299.9	1297.9	1286.9	1283.9	1278.9	1270.9	1268.9
5°	1351.9	1342.9	1341.9	1335.9	1321.9	1304.9	1283.9	1274.9	1264.9	1254.9	1252.9
7.5°	1425.9	1414.9	1407.9	1387.9	1355.9	1328.9	1293.9	1274.9	1261.9	1248.9	1245.9
10°	1520.9	1507.9	1487.9	1450.9	1407.9	1368.9	1327.9	1302.9	1282.9	1264.9	1263.9
12.5°	1621.9	1607.9	1571.9	1524.9	1472.9	1436.9	1384.9	1349.9	1319.9	1292.9	1289.9
15°	1727.9	1710.9	1661.9	1605.9	1557.9	1520.9	1463.9	1407.9	1361.9	1322.9	1318.9
17.5°	1808.9	1787.9	1729.9	1687.9	1648.9	1610.9	1546.9	1472.9	1411.9	1364.9	1353.9
20°	1859.9	1839.9	1784.9	1761.9	1743.9	1716.9	1640.9	1563.9	1495.9	1437.9	1427.9
22.5°	1908.9	1884.9	1836.9	1836.9	1850.9	1839.9	1757.9	1669.9	1589.9	1522.9	1507.9
25°	1963.9	1944.9	1910.9	1938.9	1973.9	1972.9	1888.9	1778.9	1686.9	1611.9	1596.9
27.5°	2043.9	2024.9	2012.9	2065.9	2109.9	2106.9	2014.9	1895.9	1798.9	1724.9	1710.9
30°	2184.9	2166.9	2153.9	2217.9	2273.9	2252.9	2151.9	2036.9	1938.9	1854.9	1844.9
32.5°	2372.9	2353.9	2336.9	2400.9	2450.9	2423.9	2327.9	2219.9	2106.9	2024.9	2004.9
35°	2619.9	2579.9	2562.9	2638.9	2659.9	2629.9	2537.9	2442.9	2322.9	2228.9	2215.9
37.5°	2874.9	2827.9	2815.9	2881.9	2915.9	2904.9	2796.9	2697.9	2567.9	2463.9	2448.9
40°	3092.9	3049.9	3028.9	3131.9	3208.8	3215.8	3118.9	2997.9	2844.9	2736.9	2709.9
42.5°	3220.8	3183.8	3178.8	3338.8	3464.8	3554.8	3438.8	3313.8	3152.9	3030.9	3008.9
45°	3249.8	3225.8	3267.8	3477.8	3673.8	3837.8	3738.8	3606.8	3432.8	3303.8	3282.8
47.5°	3246.8	3238.8	3313.8	3549.8	3797.8	3999.8	3950.8	3801.8	3633.8	3498.8	3478.8
50°	3203.8	3204.8	3329.8	3585.8	3847.8	4043.8	3994.8	3856.8	3706.8	3573.8	3557.8
52.5°	3186.8	3180.8	3299.8	3574.8	3898.8	4023.8	3913.8	3758.8	3591.8	3427.8	3403.8
55°	3246.8	3231.8	3303.8	3565.8	3904.8	4012.8	3722.8	3386.8	3044.9	2850.9	2834.9
57.5°	3336.8	3320.8	3354.8	3499.8	3591.8	3336.8	2739.9	2197.9	1845.9	1696.9	1631.9
60°	2979.9	2968.9	2942.9	2767.9	2373.9	1790.9	1219.9	778.0	559.0	452.0	452.0
62.5°	1848.9	1833.9	1692.9	1257.9	914.0	529.0	291.0	182.0	138.0	129.0	128.0
65°	519.0	516.0	427.0	302.0	192.0	119.0	105.0	107.0	105.0	102.0	101.0
67.5°	78.0	86.0	86.0	70.0	67.0	75.0	88.0	94.0	89.0	84.0	82.0
70°	50.0	54.0	52.0	45.0	48.0	56.0	63.0	64.0	61.0	56.0	55.0
72.5°	35.0	39.0	32.0	29.0	30.0	33.0	36.0	36.0	35.0	33.0	31.0
75°	21.0	21.0	15.0	14.0	14.0	15.0	15.0	17.0	17.0	16.0	15.0
77.5°	7.0	8.0	5.0	4.0	4.0	4.0	5.0	6.0	6.0	5.0	4.0
80°	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	1.0
82.5°	1.0	1.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
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)