

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: P634784

Luminaire Tested: GWS-SA3C-740-U-SL2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634784
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-28)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-740-U-SL2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR 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: 8191 lumens
Efficiency: N/A
Efficacy: 88.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

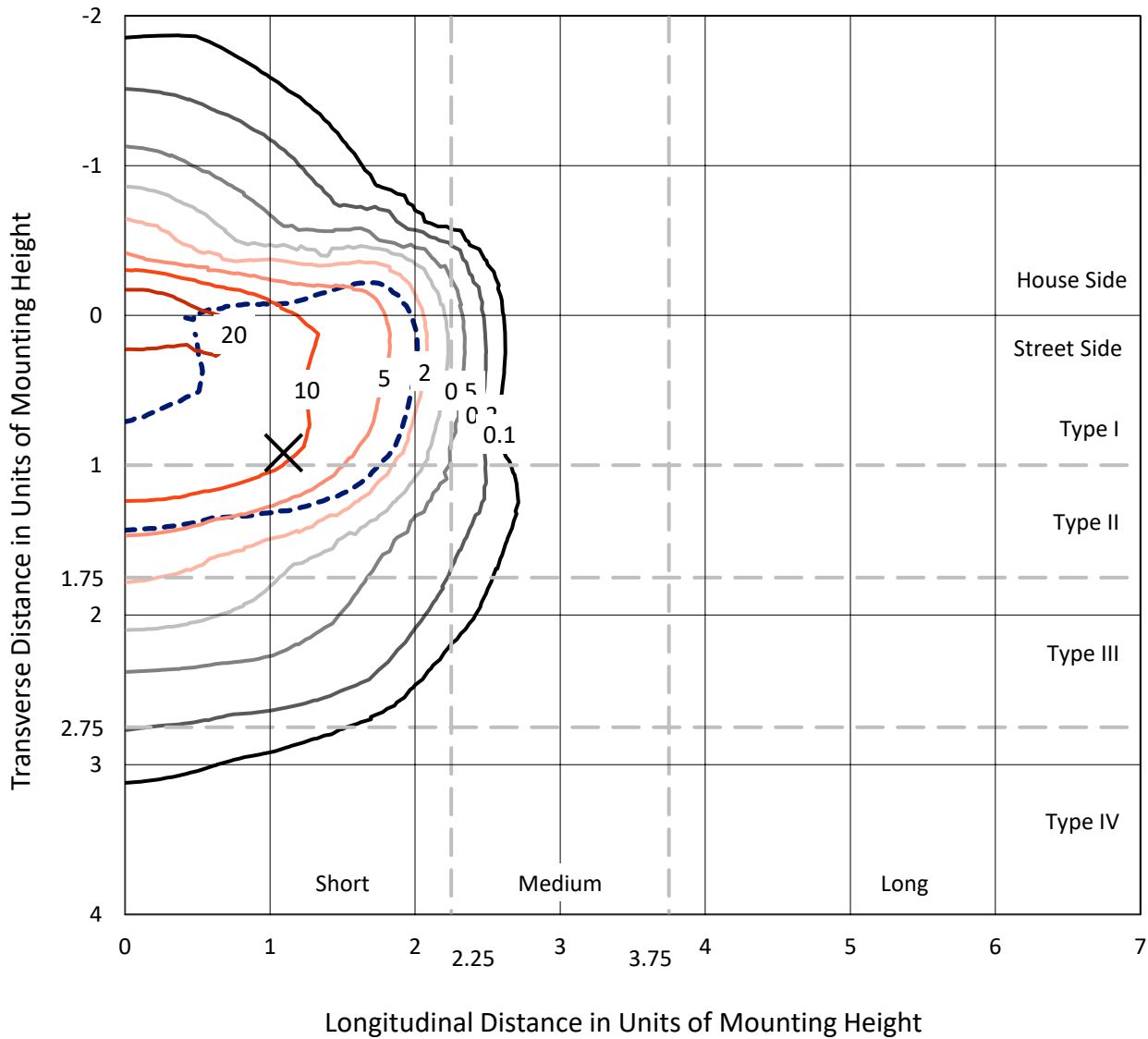
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

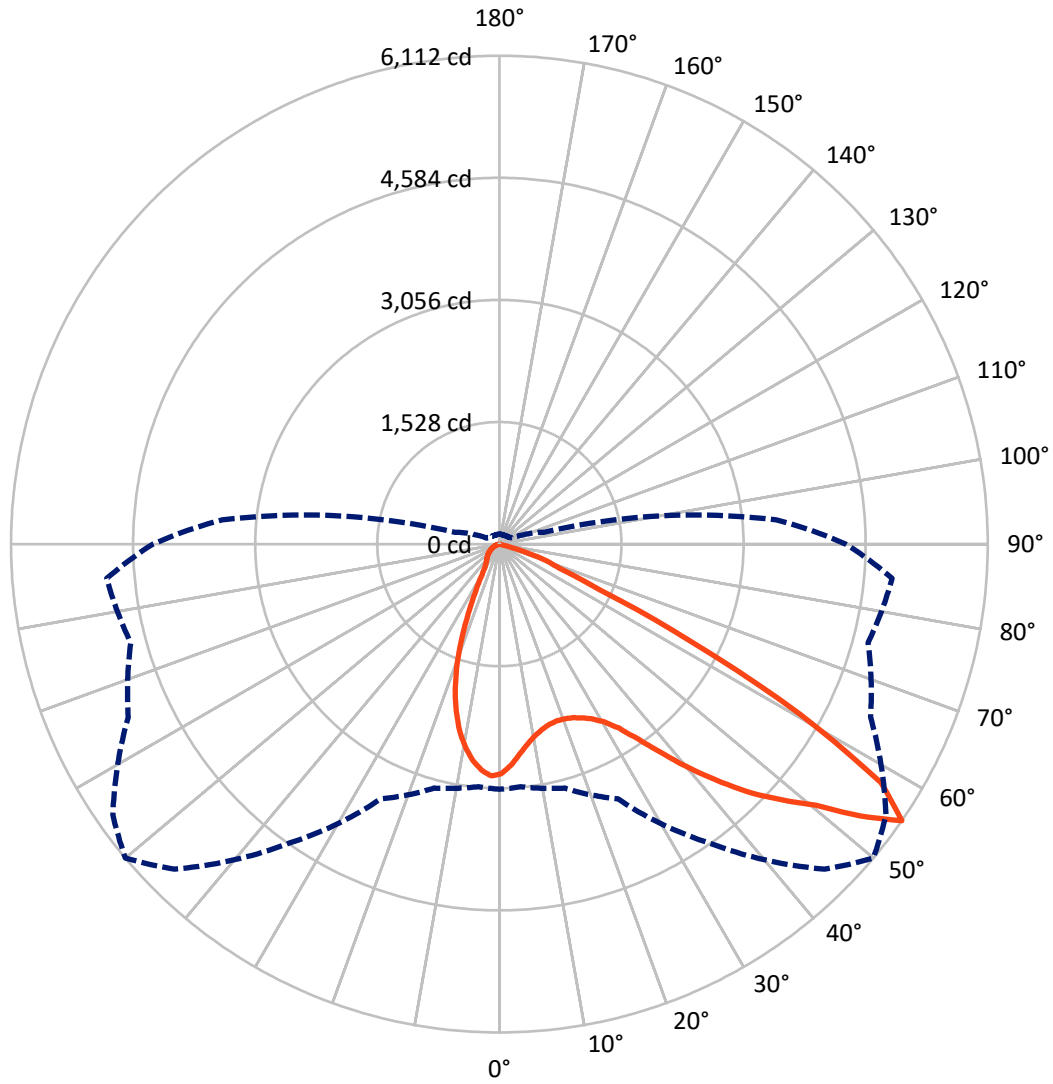
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 28.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1614.0	0.0	1614.0
	% Fixture	19.7	0.0	19.7
Street Side	Lumens	6577.0	0.0	6577.0
	% Fixture	80.3	0.0	80.3
Total	Lumens	8191.0	0.0	8191.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	252.4	3.1
10°-20°	621.1	7.6
20°-30°	876.1	10.7
30°-40°	1296.4	15.8
40°-50°	1870.3	22.8
50°-60°	2206.1	26.9
60°-70°	984.1	12.0
70°-80°	84.6	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°	8191.0	100.0
0°-180°	8191.0	100.0

Coefficient of Utilization



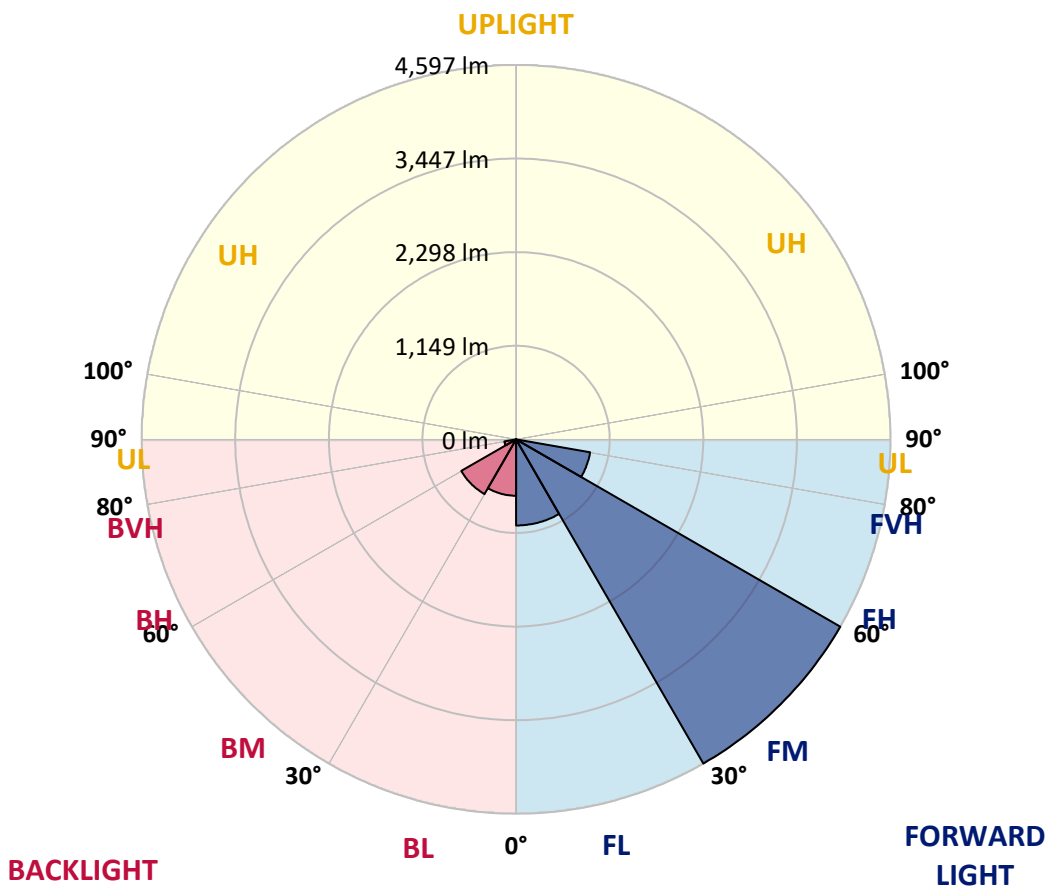
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1057.5	12.9			
FM (30°-60°)	4596.5	56.1			
FH (60°-80°)	923.0	11.3			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	692.0	8.4	B2/1000		
BM (30°-60°)	776.2	9.5	B1/1000		
BH (60°-80°)	145.7	1.8	B1/500		G1/500
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: B2-U0-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	2873.9	2873.9	2873.9	2873.9	2873.9	2873.9	2873.9	2873.9	2873.9	2873.9	2873.9
2.5°	2669.9	2671.9	2672.9	2699.9	2709.9	2749.9	2770.9	2781.9	2810.9	2844.9	2872.9
5°	2490.9	2487.9	2492.9	2526.9	2548.9	2607.9	2639.9	2661.9	2725.9	2805.9	2872.9
7.5°	2334.9	2340.9	2346.9	2383.9	2416.9	2480.9	2526.9	2559.9	2648.9	2767.9	2880.9
10°	2224.9	2224.9	2233.9	2275.9	2314.9	2393.9	2439.9	2481.9	2587.9	2733.9	2889.9
12.5°	2143.9	2144.9	2155.9	2203.9	2248.9	2330.9	2378.9	2419.9	2536.9	2699.9	2891.9
15°	2105.9	2102.9	2111.9	2162.9	2212.9	2289.9	2339.9	2379.9	2500.9	2680.9	2901.9
17.5°	2095.9	2093.9	2100.9	2150.9	2201.9	2276.9	2325.9	2365.9	2495.9	2686.9	2931.9
20°	2124.9	2120.9	2117.9	2160.9	2208.9	2282.9	2333.9	2378.9	2519.9	2719.9	2977.9
22.5°	2193.9	2193.9	2186.9	2207.9	2239.9	2306.9	2359.9	2418.9	2582.9	2785.9	3045.8
25°	2320.9	2310.9	2297.9	2306.9	2302.9	2344.9	2407.9	2489.9	2701.9	2894.9	3128.8
27.5°	2465.9	2474.9	2452.9	2453.9	2418.9	2403.9	2476.9	2600.9	2878.9	3048.8	3251.8
30°	2662.9	2655.9	2656.9	2653.9	2572.9	2501.9	2580.9	2745.9	3101.8	3283.8	3411.8
32.5°	2816.9	2826.9	2859.9	2878.9	2772.9	2658.9	2742.9	2942.9	3355.8	3551.8	3607.8
35°	2979.9	2997.9	3064.8	3126.8	3037.9	2906.9	2996.9	3203.8	3594.8	3816.8	3832.8
37.5°	3151.8	3187.8	3267.8	3376.8	3362.8	3246.8	3328.8	3510.8	3782.8	3976.8	4018.8
40°	3348.8	3383.8	3514.8	3671.8	3704.8	3678.8	3705.8	3811.8	3906.8	3983.8	4098.8
42.5°	3564.8	3612.8	3778.8	3988.8	4112.8	4135.8	4072.8	4061.8	3960.8	3903.8	4081.8
45°	3819.8	3875.8	4063.8	4335.8	4532.8	4563.8	4454.8	4313.8	3994.8	3844.8	4030.8
47.5°	4105.8	4158.8	4345.8	4672.8	4965.8	4977.8	4787.8	4560.8	4095.8	3912.8	4069.8
50°	4201.8	4234.8	4396.8	4780.8	5320.7	5412.7	5137.7	4838.8	4298.8	4112.8	4259.8
52.5°	3871.8	3884.8	4025.8	4413.8	5248.7	5839.7	5648.7	5253.7	4659.8	4417.8	4552.8
55°	3067.8	3046.8	3160.8	3516.8	4561.8	5752.7	6111.7	5905.7	5124.7	4775.8	4933.8
57.5°	2145.9	2120.9	2094.9	2335.9	3403.8	4876.8	5631.7	5996.7	5567.7	5130.7	5344.7
60°	1763.9	1739.9	1613.9	1502.9	2057.9	3501.8	4325.8	5012.8	5531.7	5112.7	5331.7
62.5°	1523.9	1509.9	1458.9	1307.9	1210.9	1998.9	2708.9	3366.8	4244.8	4014.8	4026.8
65°	1196.9	1192.9	1227.9	1243.9	1070.9	1105.9	1381.9	1749.9	2294.9	2163.9	2051.9
67.5°	818.0	809.0	875.0	1075.9	1029.9	873.0	809.0	816.0	993.0	607.0	482.0
70°	520.0	499.0	500.0	667.0	838.0	689.0	624.0	549.0	494.0	90.0	102.0
72.5°	333.0	320.0	275.0	301.0	388.0	336.0	339.0	292.0	195.0	48.0	56.0
75°	140.0	129.0	99.0	79.0	78.0	49.0	43.0	40.0	27.0	27.0	29.0
77.5°	1.0	0.0	0.0	1.0	2.0	1.0	1.0	2.0	4.0	6.0	7.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
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°	2873.9	2873.9	2873.9	2873.9	2873.9	2873.9	2873.9	2873.9	2873.9	2873.9	2873.9
2.5°	2889.9	2865.9	2892.9	2902.9	2901.9	2902.9	2873.9	2853.9	2852.9	2827.9	2815.9
5°	2900.9	2881.9	2901.9	2888.9	2857.9	2818.9	2766.9	2721.9	2701.9	2672.9	2658.9
7.5°	2921.9	2901.9	2898.9	2846.9	2769.9	2687.9	2595.9	2513.9	2469.9	2416.9	2419.9
10°	2936.9	2913.9	2874.9	2768.9	2640.9	2509.9	2372.9	2250.9	2173.9	2102.9	2090.9
12.5°	2942.9	2908.9	2817.9	2657.9	2477.9	2306.9	2105.9	1931.9	1811.9	1718.9	1705.9
15°	2953.9	2898.9	2744.9	2523.9	2276.9	2034.9	1778.9	1540.9	1381.9	1274.9	1283.9
17.5°	2970.9	2887.9	2662.9	2373.9	2060.9	1718.9	1372.9	1099.9	954.0	892.0	893.0
20°	2994.9	2874.9	2572.9	2208.9	1801.9	1361.9	960.0	754.0	713.0	711.0	708.0
22.5°	3026.9	2861.9	2476.9	2027.9	1494.9	954.0	639.0	575.0	592.0	625.0	631.0
25°	3064.8	2845.9	2369.9	1823.9	1159.9	626.0	479.0	469.0	510.0	554.0	564.0
27.5°	3123.8	2837.9	2247.9	1591.9	814.0	449.0	392.0	398.0	435.0	472.0	481.0
30°	3223.8	2852.9	2114.9	1331.9	523.0	358.0	340.0	349.0	369.0	388.0	396.0
32.5°	3359.8	2896.9	1985.9	1047.9	373.0	311.0	307.0	312.0	320.0	331.0	334.0
35°	3518.8	2972.9	1852.9	750.0	308.0	284.0	280.0	280.0	284.0	286.0	287.0
37.5°	3649.8	3052.8	1727.9	499.0	276.0	263.0	257.0	254.0	253.0	255.0	256.0
40°	3706.8	3085.8	1591.9	363.0	253.0	244.0	235.0	226.0	226.0	233.0	234.0
42.5°	3666.8	3048.8	1434.9	300.0	237.0	224.0	210.0	202.0	206.0	213.0	215.0
45°	3581.8	2957.9	1261.9	265.0	221.0	204.0	188.0	183.0	187.0	196.0	198.0
47.5°	3567.8	2897.9	1054.9	242.0	204.0	187.0	170.0	165.0	170.0	177.0	179.0
50°	3706.8	2949.9	825.0	222.0	188.0	169.0	155.0	150.0	153.0	157.0	159.0
52.5°	3960.8	3142.8	666.0	203.0	169.0	151.0	142.0	136.0	136.0	140.0	141.0
55°	4335.8	3479.8	575.0	181.0	147.0	137.0	129.0	123.0	123.0	125.0	126.0
57.5°	4767.8	3887.8	596.0	152.0	129.0	124.0	117.0	112.0	114.0	114.0	114.0
60°	4707.8	3857.8	638.0	128.0	114.0	112.0	106.0	104.0	109.0	105.0	103.0
62.5°	3467.8	2664.9	334.0	105.0	98.0	96.0	92.0	96.0	103.0	92.0	88.0
65°	1683.9	1289.9	134.0	86.0	83.0	81.0	79.0	85.0	89.0	72.0	68.0
67.5°	396.0	322.0	87.0	73.0	69.0	65.0	67.0	68.0	65.0	49.0	47.0
70°	103.0	101.0	68.0	61.0	55.0	51.0	51.0	50.0	43.0	31.0	29.0
72.5°	56.0	55.0	49.0	46.0	38.0	34.0	35.0	31.0	24.0	18.0	17.0
75°	28.0	30.0	28.0	26.0	21.0	19.0	19.0	17.0	12.0	7.0	7.0
77.5°	6.0	7.0	7.0	6.0	5.0	4.0	4.0	5.0	2.0	0.0	0.0
80°	1.0	1.0	1.0	1.0	1.0	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)