

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: P635881

Luminaire Tested: GWS-SA3E-760-U-RW-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635881
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-SA3E-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14380 lumens
Efficiency: N/A
Efficacy: 90.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

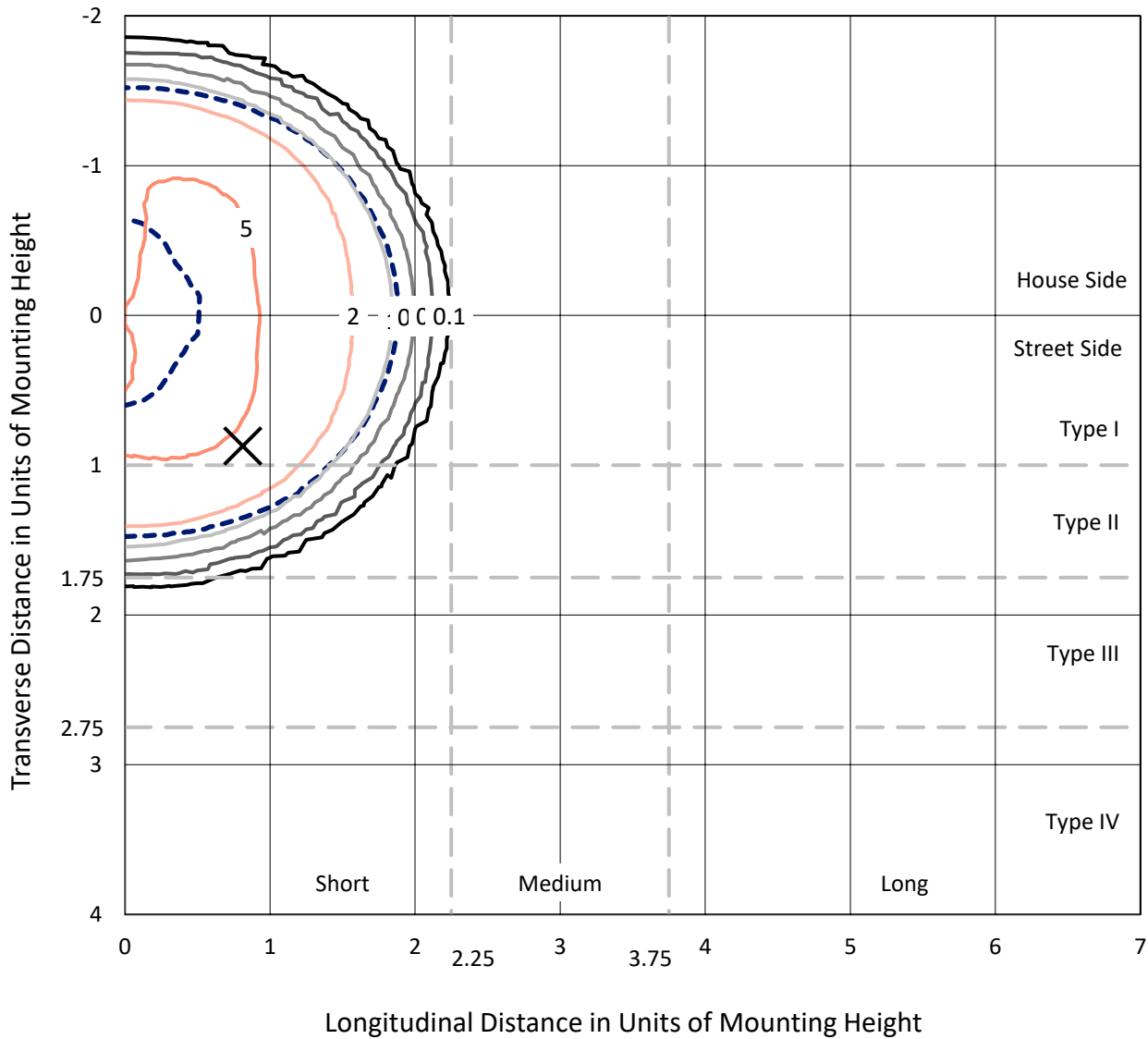
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P635881
 CATALOG NUMBER: GWS-SA3E-760-U-RW-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

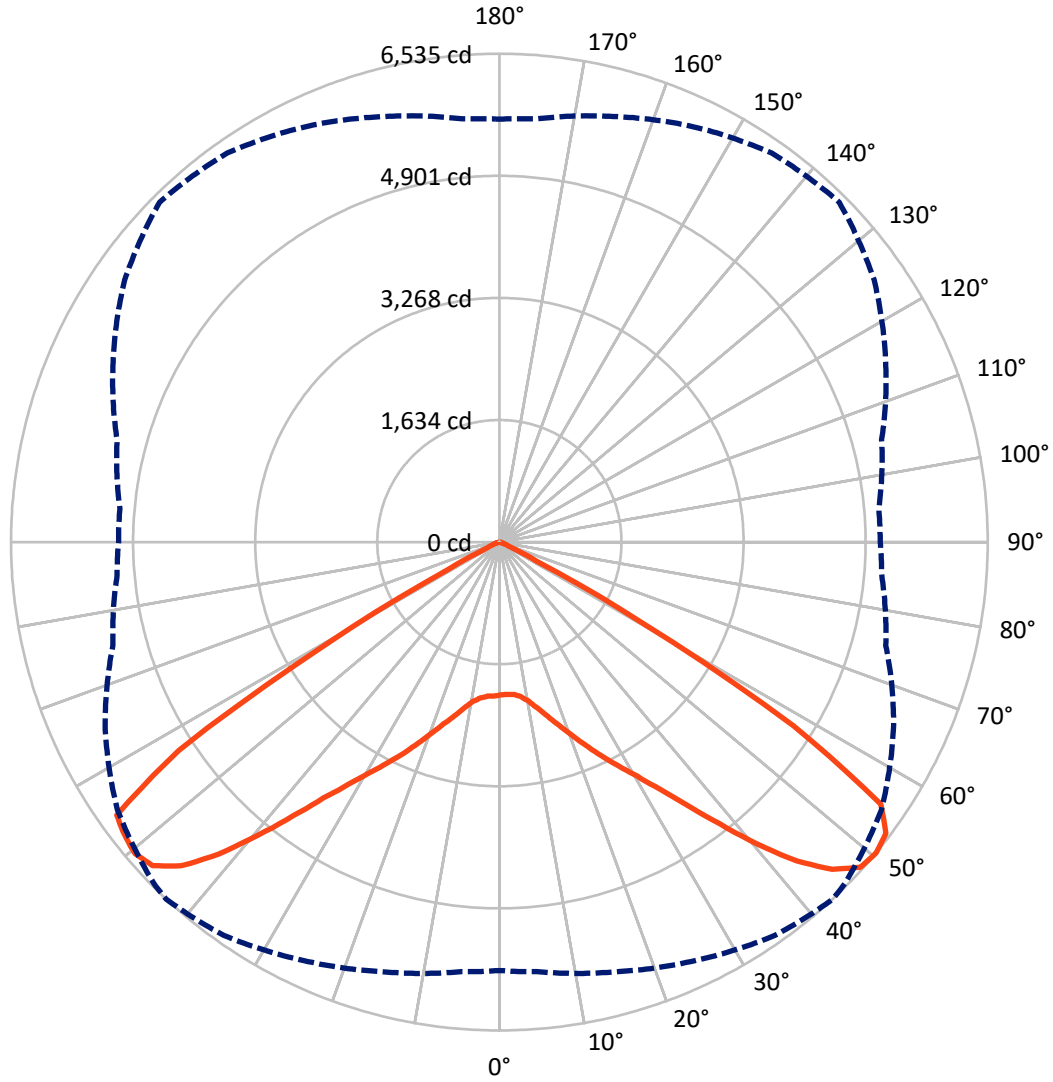
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.1 fc
 Type V - Short - N/A

REPORT NUMBER: P635881
CATALOG NUMBER: GWS-SA3E-760-U-RW-W-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P635881

CATALOG NUMBER: GWS-SA3E-760-U-RW-W-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7189.8	0.0	7189.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7190.2	0.0	7190.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	14380.0	0.0	14380.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	201.4	1.4
10°-20°	693.1	4.8
20°-30°	1402.3	9.8
30°-40°	2601.8	18.1
40°-50°	4318.9	30.0
50°-60°	4407.6	30.7
60°-70°	722.8	5.0
70°-80°	31.7	0.2
80°-90°	0.4	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°	14380.0	100.0
0°-180°	14380.0	100.0

Coefficient of Utilization



REPORT NUMBER: P635881

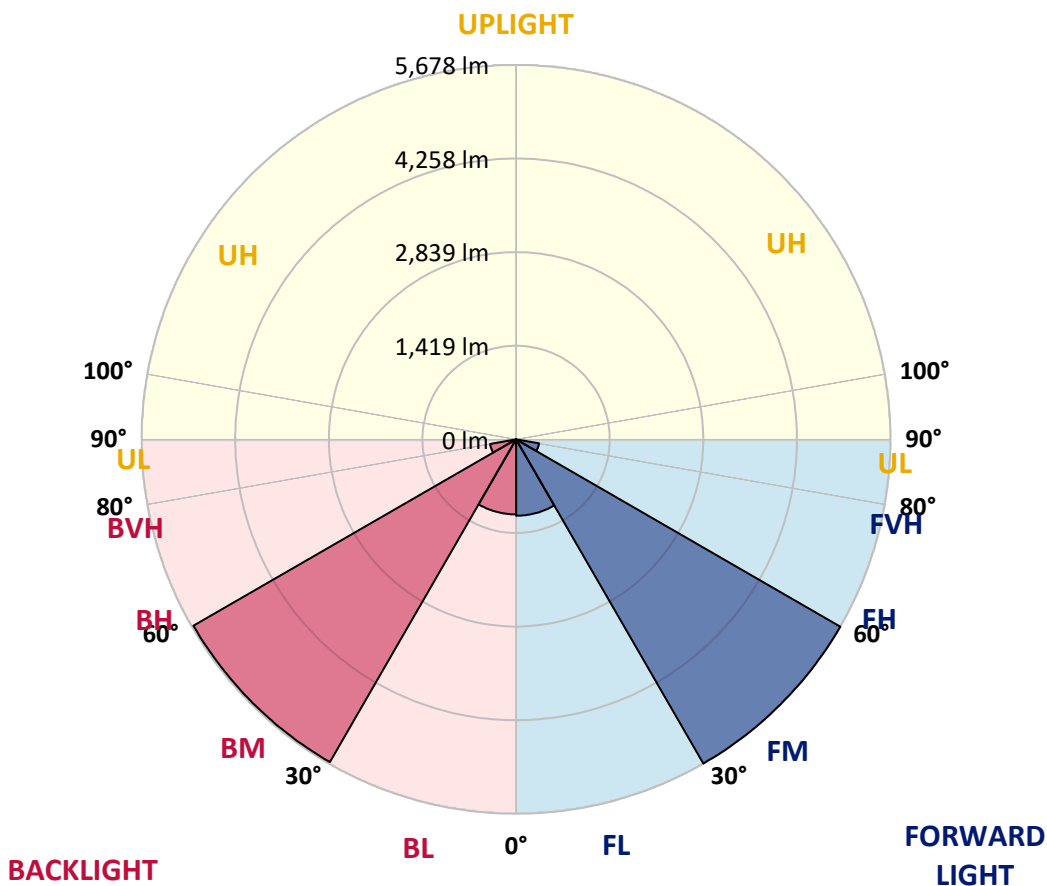
CATALOG NUMBER: GWS-SA3E-760-U-RW-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1158.5	8.1			
FM (30°-60°)	5677.9	39.5			
FH (60°-80°)	353.6	2.5			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	1138.4	7.9	B3/2500		
BM (30°-60°)	5650.3	39.3	B4/8500		
BH (60°-80°)	400.9	2.8	B1/500		G0/660
BVH (80°-90°)	0.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G0

Type V Short





REPORT NUMBER: P635881

CATALOG NUMBER: GWS-SA3E-760-U-RW-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	2045.3	2045.3	2045.3	2045.3	2045.3	2045.3	2045.3	2045.3	2045.3	2045.3	2045.3
2.5°	2007.2	2011.9	2018.3	2024.7	2032.6	2040.6	2045.3	2059.6	2056.5	2069.2	2069.2
5°	1984.9	1989.7	1997.6	2011.9	2029.4	2046.9	2059.6	2088.3	2104.2	2129.6	2139.2
7.5°	1996.0	2002.4	2011.9	2034.2	2061.2	2088.3	2102.6	2148.7	2180.5	2228.2	2255.3
10°	2032.6	2039.0	2054.9	2093.0	2128.0	2166.2	2183.7	2242.5	2293.4	2358.6	2396.8
12.5°	2074.0	2081.9	2113.7	2171.0	2231.4	2282.3	2306.2	2371.4	2423.9	2497.0	2557.5
15°	2116.9	2129.6	2178.9	2263.2	2349.1	2417.5	2442.9	2512.9	2565.4	2643.3	2711.7
17.5°	2217.1	2231.4	2287.1	2377.7	2495.4	2574.9	2597.2	2670.4	2710.1	2762.6	2834.2
20°	2342.7	2369.8	2438.2	2547.9	2676.7	2753.1	2769.0	2840.6	2837.4	2859.6	2921.7
22.5°	2498.6	2517.7	2592.4	2722.9	2867.6	2951.9	2988.5	3018.7	2978.9	2959.8	2999.6
25°	2660.8	2683.1	2764.2	2907.4	3069.6	3166.6	3196.8	3220.7	3157.1	3085.5	3090.3
27.5°	2870.8	2886.7	2966.2	3118.9	3281.1	3390.9	3417.9	3459.2	3374.9	3260.4	3228.6
30°	3120.5	3136.4	3220.7	3381.3	3541.9	3635.8	3677.1	3728.0	3635.8	3492.6	3456.1
32.5°	3413.1	3429.0	3537.2	3702.6	3834.6	3936.4	3976.1	4030.2	3957.1	3796.4	3755.1
35°	3763.0	3772.6	3899.8	4079.5	4219.5	4318.1	4345.1	4408.7	4327.6	4167.0	4144.7
37.5°	4168.6	4179.7	4318.1	4526.4	4669.6	4779.3	4822.3	4839.8	4741.2	4561.4	4543.9
40°	4613.9	4650.5	4785.7	5009.9	5170.6	5308.9	5347.1	5288.3	5149.9	4905.0	4873.2
42.5°	5078.3	5110.1	5261.2	5504.6	5690.7	5832.2	5833.8	5706.6	5471.2	5132.4	5084.7
45°	5464.8	5477.5	5673.2	5918.1	6147.1	6247.3	6256.9	6026.2	5671.6	5264.4	5162.6
47.5°	5730.4	5751.1	5921.3	6156.7	6409.5	6500.2	6481.1	6193.2	5767.0	5350.3	5181.7
50°	5733.6	5768.6	5953.1	6180.5	6425.4	6535.2	6508.1	6241.0	5821.1	5353.5	5135.6
52.5°	5226.2	5283.5	5584.1	5913.3	6288.7	6476.3	6482.7	6303.0	5800.4	5302.6	5094.2
55°	3942.7	4004.8	4383.3	4944.7	5670.0	6193.2	6283.9	6229.8	5776.5	5324.8	5167.4
57.5°	2086.7	2039.0	2248.9	2805.6	3716.9	4642.5	4908.1	5340.8	5510.9	5351.9	5302.6
60°	454.9	485.1	645.7	870.0	1450.5	2183.7	2442.9	3184.1	4065.2	4456.5	4739.6
62.5°	195.6	192.4	200.4	227.4	332.4	553.5	675.9	1103.8	1741.6	2392.0	2832.6
65°	160.6	162.2	168.6	168.6	157.5	159.0	167.0	252.9	407.2	571.0	766.6
67.5°	120.9	122.5	133.6	136.8	128.8	114.5	112.9	95.4	100.2	125.6	130.4
70°	76.3	76.3	82.7	85.9	85.9	79.5	77.9	68.4	66.8	76.3	85.9
72.5°	41.4	41.4	44.5	46.1	44.5	42.9	42.9	41.4	39.8	46.1	58.8
75°	17.5	17.5	19.1	19.1	17.5	17.5	17.5	17.5	17.5	20.7	31.8
77.5°	3.2	4.8	6.4	4.8	3.2	3.2	3.2	4.8	4.8	6.4	9.5
80°	1.6	1.6	3.2	1.6	0.0	0.0	0.0	0.0	1.6	1.6	1.6
82.5°	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
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



REPORT NUMBER: P635881
 CATALOG NUMBER: GWS-SA3E-760-U-RW-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2045.3	2045.3	2045.3	2045.3	2045.3	2045.3	2045.3	2045.3	2045.3	2045.3	2045.3
2.5°	2080.3	2062.8	2069.2	2072.4	2067.6	2064.4	2046.9	2042.1	2034.2	2021.5	2018.3
5°	2150.3	2136.0	2134.4	2124.9	2102.6	2075.5	2042.1	2027.8	2011.9	1996.0	1992.8
7.5°	2268.0	2250.5	2239.4	2207.6	2156.7	2113.7	2058.1	2027.8	2007.2	1986.5	1981.7
10°	2419.1	2398.4	2366.6	2307.8	2239.4	2177.3	2112.1	2072.4	2040.6	2011.9	2010.3
12.5°	2579.7	2557.5	2500.2	2425.4	2342.7	2285.5	2202.8	2147.1	2099.4	2056.5	2051.7
15°	2748.3	2721.3	2643.3	2554.3	2477.9	2419.1	2328.4	2239.4	2166.2	2104.2	2097.8
17.5°	2877.1	2843.7	2751.5	2684.7	2622.7	2562.2	2460.4	2342.7	2245.7	2171.0	2153.5
20°	2958.2	2926.4	2839.0	2802.4	2773.8	2730.8	2609.9	2487.5	2379.3	2287.1	2271.2
22.5°	3036.2	2998.0	2921.7	2921.7	2943.9	2926.4	2796.0	2656.1	2528.8	2422.3	2398.4
25°	3123.7	3093.4	3039.4	3083.9	3139.6	3138.0	3004.4	2829.4	2683.1	2563.8	2540.0
27.5°	3250.9	3220.7	3201.6	3285.9	3355.9	3351.1	3204.8	3015.5	2861.2	2743.5	2721.3
30°	3475.1	3446.5	3425.8	3527.6	3616.7	3583.3	3422.7	3239.8	3083.9	2950.3	2934.4
32.5°	3774.2	3743.9	3716.9	3818.7	3898.2	3855.3	3702.6	3530.8	3351.1	3220.7	3188.9
35°	4167.0	4103.4	4076.3	4197.2	4230.6	4182.9	4036.6	3885.5	3694.6	3545.1	3524.5
37.5°	4572.6	4497.8	4478.7	4583.7	4637.8	4620.3	4448.5	4291.1	4084.3	3918.9	3895.0
40°	4919.3	4850.9	4817.5	4981.3	5103.8	5114.9	4960.6	4768.2	4524.8	4353.1	4310.1
42.5°	5122.9	5064.0	5056.1	5310.5	5510.9	5654.1	5469.6	5270.8	5014.7	4820.7	4785.7
45°	5169.0	5130.8	5197.6	5531.6	5843.3	6104.2	5946.7	5736.8	5460.0	5254.9	5221.5
47.5°	5164.2	5151.5	5270.8	5646.1	6040.6	6361.8	6283.9	6046.9	5779.7	5565.0	5533.2
50°	5095.8	5097.4	5296.2	5703.4	6120.1	6431.8	6353.9	6134.4	5895.8	5684.3	5658.8
52.5°	5068.8	5059.2	5248.5	5685.9	6201.2	6400.0	6225.0	5978.5	5712.9	5452.1	5413.9
55°	5164.2	5140.4	5254.9	5671.6	6210.7	6382.5	5921.3	5386.9	4842.9	4534.4	4508.9
57.5°	5307.4	5281.9	5336.0	5566.6	5712.9	5307.4	4357.9	3495.8	2936.0	2699.0	2595.6
60°	4739.6	4722.1	4680.7	4402.4	3775.7	2848.5	1940.4	1237.4	889.1	718.9	718.9
62.5°	2940.8	2916.9	2692.6	2000.8	1453.7	841.4	462.8	289.5	219.5	205.2	203.6
65°	825.4	820.7	679.1	480.3	305.4	189.3	167.0	170.2	167.0	162.2	160.6
67.5°	124.1	136.8	136.8	111.3	106.6	119.3	140.0	149.5	141.6	133.6	130.4
70°	79.5	85.9	82.7	71.6	76.3	89.1	100.2	101.8	97.0	89.1	87.5
72.5°	55.7	62.0	50.9	46.1	47.7	52.5	57.3	57.3	55.7	52.5	49.3
75°	33.4	33.4	23.9	22.3	22.3	23.9	23.9	27.0	27.0	25.4	23.9
77.5°	11.1	12.7	8.0	6.4	6.4	6.4	8.0	9.5	9.5	8.0	6.4
80°	1.6	3.2	1.6	1.6	1.6	1.6	1.6	1.6	3.2	3.2	1.6
82.5°	1.6	1.6	1.6	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
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)