

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: P635274

Luminaire Tested: GWS-SA3D-740-U-AFL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635274
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-48)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-740-U-AFL-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND
AUTOMOTIVE FRONTLINE OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14757.7 lumens
Efficiency: N/A
Efficacy: 122.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

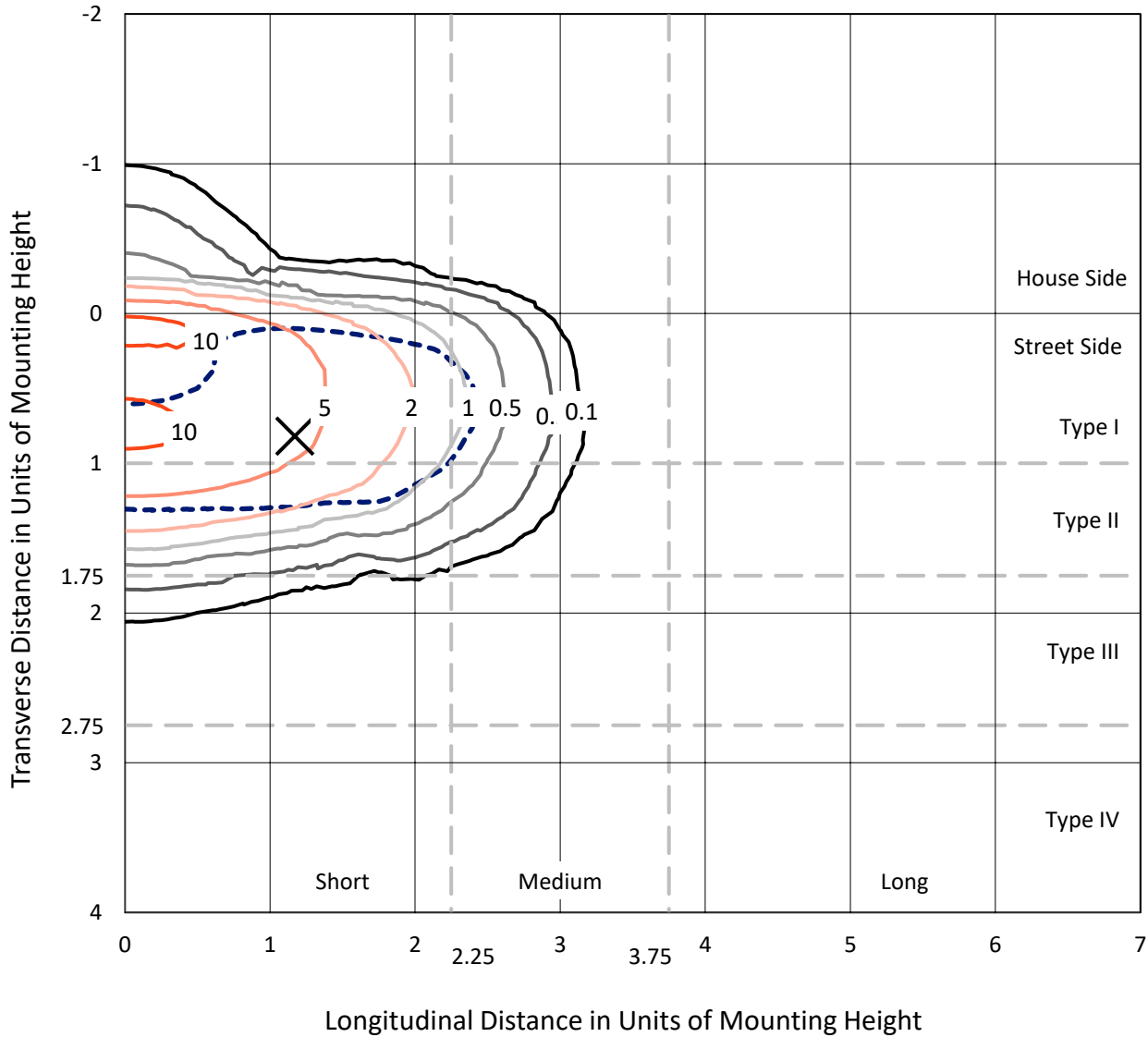
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

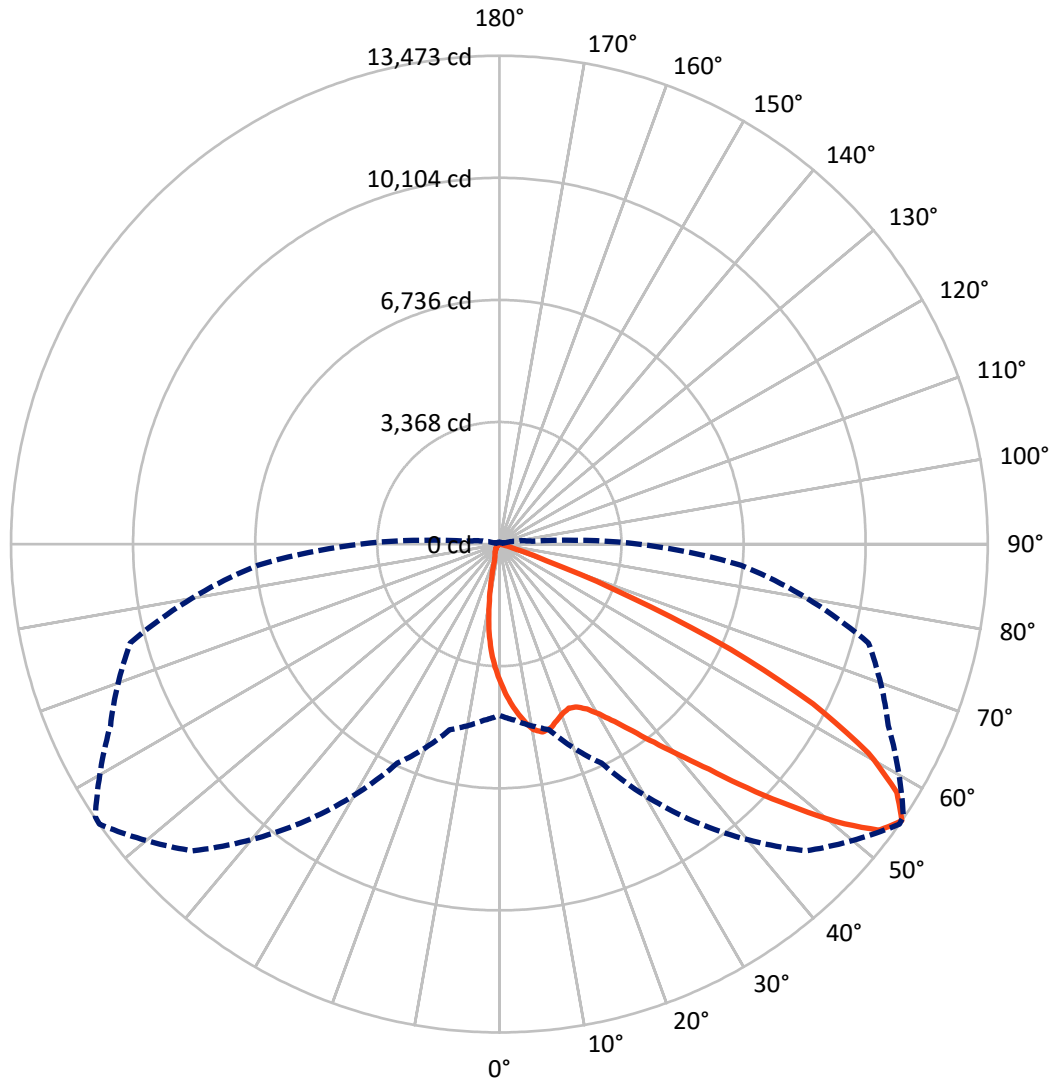
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 12.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	910.6	0.0	910.6
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	13847.1	0.0	13847.1
	% Fixture	93.8	0.0	93.8
Total	Lumens	14757.7	0.0	14757.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	336.9	2.3
10°-20°	812.3	5.5
20°-30°	1352.8	9.2
30°-40°	2305.3	15.6
40°-50°	3763.0	25.5
50°-60°	3939.7	26.7
60°-70°	1987.1	13.5
70°-80°	251.0	1.7
80°-90°	9.5	0.1
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°	14757.7	100.0
0°-180°	14757.7	100.0

Coefficient of Utilization



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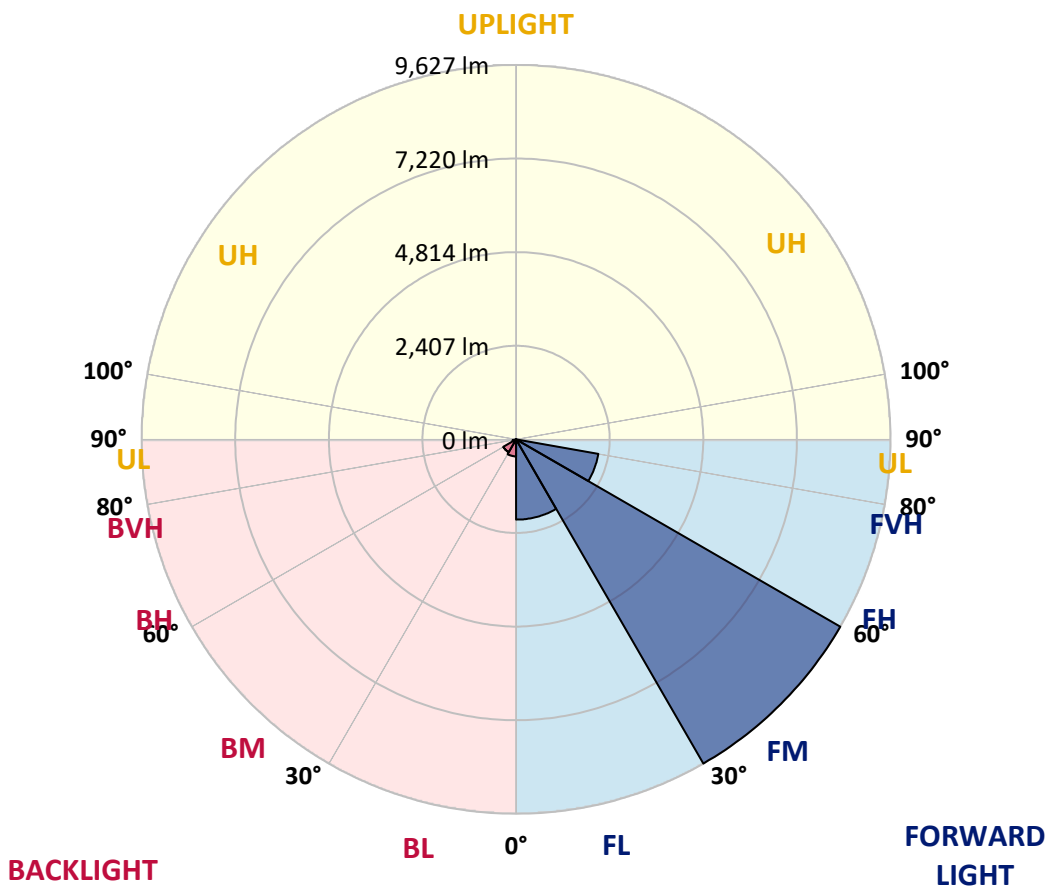
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2064.4	14.0			
FM (30°-60°)	9627.3	65.2			
FH (60°-80°)	2146.8	14.5			G2/5000
FVH (80°-90°)	8.7	0.1			G0/10
BL (0°-30°)	437.7	3.0	B1/500		
BM (30°-60°)	380.7	2.6	B1/1000		
BH (60°-80°)	91.3	0.6	B0/110		G0/110
BVH (80°-90°)	0.9	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-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	3812.5	3812.5	3812.5	3812.5	3812.5	3812.5	3812.5	3812.5	3812.5	3812.5	3812.5
2.5°	4444.6	4423.1	4455.9	4418.1	4353.7	4299.5	4228.9	4203.6	4090.1	3982.8	3879.4
5°	4984.5	4990.9	4980.8	4927.8	4836.9	4736.0	4593.4	4561.9	4363.8	4159.5	3938.7
7.5°	5118.3	5114.5	5135.9	5156.1	5141.0	5090.5	4935.3	4903.8	4657.8	4351.2	4029.5
10°	4705.7	4708.3	4752.4	4888.7	5057.7	5233.1	5209.1	5191.4	4950.5	4568.2	4130.4
12.5°	4122.9	4145.6	4192.3	4386.5	4672.9	5071.6	5318.9	5336.5	5219.2	4806.7	4249.0
15°	3870.6	3875.6	3913.5	4030.8	4244.0	4736.0	5272.2	5321.4	5443.8	5046.4	4377.7
17.5°	3864.3	3870.6	3887.0	3938.7	4077.5	4472.3	5122.1	5207.8	5612.8	5303.7	4531.6
20°	4101.4	4097.6	4086.3	4058.5	4119.1	4385.3	4983.3	5077.9	5704.9	5554.8	4686.8
22.5°	4531.6	4526.6	4476.1	4361.3	4312.1	4464.8	4915.2	5000.9	5760.4	5778.1	4814.2
25°	5027.4	5062.8	4968.1	4794.0	4672.9	4667.9	4975.7	5036.3	5808.4	5976.2	4901.3
27.5°	5571.2	5582.5	5501.8	5306.2	5130.9	4993.4	5151.1	5196.5	5861.3	6152.8	4950.5
30°	6167.9	6164.1	6072.0	5844.9	5631.7	5433.7	5446.3	5463.9	5985.0	6354.6	5004.7
32.5°	6913.5	6929.9	6765.9	6456.8	6200.7	5927.0	5832.3	5834.9	6208.3	6614.5	5086.7
35°	7926.6	7886.2	7669.2	7228.9	6792.4	6497.2	6335.7	6321.8	6552.7	6964.0	5229.3
37.5°	8891.7	8895.5	8668.4	8183.9	7632.6	7167.1	6938.7	6900.9	7037.1	7448.4	5466.5
40°	9561.6	9574.2	9479.6	9226.0	8641.9	7983.3	7647.8	7608.6	7665.4	8061.6	5776.8
42.5°	9916.1	9951.4	9977.9	10037.2	9594.4	9002.7	8486.7	8482.9	8423.6	8760.5	6136.4
45°	9930.0	9983.0	10144.4	10549.4	10599.9	10165.9	9604.5	9520.0	9291.6	9508.6	6458.1
47.5°	9381.2	9503.6	9846.7	10649.1	11178.9	11322.8	10766.4	10714.7	10073.8	10100.3	6699.0
50°	8101.9	8229.4	8861.4	10138.1	11325.3	12241.2	12041.9	11934.6	10727.3	10491.4	6815.1
52.5°	6789.9	6905.9	7334.9	8922.0	10718.5	12530.1	13116.8	12989.3	11313.9	10627.6	6767.2
55°	4724.7	4879.8	5298.7	6668.8	9320.6	11967.4	13472.5	13446.0	11837.5	10541.8	6692.7
57.5°	2316.3	2470.2	2887.8	4111.5	6904.7	10448.5	12928.8	13068.8	12150.4	10449.8	6632.2
60°	967.6	1030.7	1174.5	1804.1	3863.0	7896.3	11701.2	11895.5	11958.6	10324.9	6625.9
62.5°	561.4	571.5	586.6	748.1	1502.6	4526.6	9706.7	9983.0	10950.6	10159.6	6526.2
65°	423.9	427.7	421.4	459.2	620.7	1717.0	7013.2	7389.1	9140.2	9513.7	6132.6
67.5°	348.2	348.2	331.8	339.4	389.8	643.4	3871.8	4396.6	6763.4	7819.3	5064.0
70°	277.5	283.9	276.3	266.2	278.8	355.8	1377.7	1708.2	3938.7	4617.4	2953.4
72.5°	210.7	210.7	223.3	215.7	206.9	223.3	480.7	540.0	1580.8	1925.2	1066.0
75°	162.7	167.8	176.6	169.1	156.4	132.5	230.9	244.7	476.9	447.9	238.4
77.5°	83.3	84.5	112.3	123.6	116.1	80.7	100.9	111.0	155.2	138.8	88.3
80°	50.5	53.0	63.1	97.1	77.0	42.9	41.6	44.2	73.2	63.1	36.6
82.5°	21.4	22.7	35.3	35.3	31.5	16.4	16.4	16.4	35.3	32.8	15.1
85°	0.0	0.0	6.3	5.0	5.0	6.3	6.3	6.3	8.8	12.6	7.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	3.8	3.8
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°	3812.5	3812.5	3812.5	3812.5	3812.5	3812.5	3812.5	3812.5	3812.5	3812.5	3812.5
2.5°	3812.5	3731.8	3623.3	3524.9	3392.4	3318.0	3214.5	3130.0	3058.1	3035.4	3025.3
5°	3813.8	3675.0	3442.9	3210.7	2925.6	2701.1	2470.2	2287.3	2137.1	2089.2	2076.6
7.5°	3839.0	3634.6	3258.7	2837.3	2360.4	1966.8	1614.8	1299.4	1153.1	1103.9	1093.8
10°	3873.1	3600.6	3045.5	2389.5	1704.4	1198.5	849.1	647.2	551.3	498.3	505.9
12.5°	3917.2	3572.8	2809.6	1905.0	1127.9	658.6	466.8	391.1	370.9	360.8	355.8
15°	3976.5	3540.0	2516.9	1424.3	691.4	423.9	359.6	339.4	331.8	326.8	325.5
17.5°	4037.1	3502.2	2219.1	1001.7	459.2	352.0	323.0	312.9	307.8	304.0	302.8
20°	4101.4	3437.8	1869.7	690.1	362.1	316.7	297.7	286.4	280.1	273.8	272.5
22.5°	4129.2	3334.4	1535.4	483.2	321.7	291.4	267.5	253.6	246.0	241.0	241.0
25°	4102.7	3166.6	1189.7	367.1	292.7	263.7	239.7	224.6	218.3	213.2	213.2
27.5°	4032.0	2950.9	868.0	304.0	261.1	234.7	211.9	198.1	193.0	190.5	190.5
30°	3953.8	2678.4	611.9	261.1	225.8	204.4	185.5	176.6	175.4	172.8	172.8
32.5°	3887.0	2423.5	421.4	229.6	199.3	177.9	165.3	161.5	162.7	160.2	161.5
35°	3850.4	2173.7	312.9	204.4	177.9	157.7	151.4	151.4	151.4	150.1	150.1
37.5°	3865.5	1927.7	254.8	186.7	159.0	143.8	137.5	140.0	142.6	142.6	142.6
40°	3941.2	1709.5	225.8	170.3	142.6	131.2	126.2	129.9	133.7	136.3	136.3
42.5°	4037.1	1532.8	204.4	156.4	131.2	118.6	116.1	119.9	123.6	126.2	126.2
45°	4097.6	1354.9	182.9	138.8	119.9	104.7	104.7	109.8	108.5	109.8	109.8
47.5°	4125.4	1213.6	161.5	119.9	102.2	90.8	92.1	94.6	92.1	94.6	94.6
50°	4057.3	1071.1	142.6	99.7	84.5	79.5	82.0	80.7	80.7	85.8	85.8
52.5°	3932.4	965.1	126.2	84.5	71.9	70.6	73.2	68.1	69.4	69.4	68.1
55°	3840.3	904.6	112.3	73.2	61.8	63.1	61.8	53.0	47.9	42.9	41.6
57.5°	3794.9	880.6	102.2	65.6	55.5	55.5	50.5	36.6	27.8	21.4	18.9
60°	3784.8	851.6	92.1	56.8	49.2	46.7	36.6	21.4	13.9	10.1	8.8
62.5°	3688.9	780.9	83.3	45.4	42.9	37.8	22.7	12.6	7.6	5.0	3.8
65°	3374.8	642.1	74.4	35.3	32.8	27.8	13.9	7.6	3.8	1.3	0.0
67.5°	2684.7	455.4	65.6	26.5	22.7	17.7	8.8	5.0	1.3	0.0	0.0
70°	1548.0	246.0	54.2	18.9	15.1	11.4	6.3	2.5	0.0	0.0	0.0
72.5°	517.3	114.8	41.6	12.6	11.4	8.8	3.8	1.3	0.0	0.0	0.0
75°	113.5	68.1	27.8	8.8	7.6	6.3	2.5	0.0	0.0	0.0	0.0
77.5°	42.9	47.9	13.9	6.3	5.0	3.8	1.3	0.0	0.0	0.0	0.0
80°	16.4	31.5	6.3	3.8	3.8	1.3	0.0	0.0	0.0	0.0	0.0
82.5°	8.8	12.6	3.8	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
85°	5.0	6.3	2.5	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.5	1.3	1.3	1.3	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)