

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: P635219

Luminaire Tested: GWS-SA3D-735-U-AFL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635219
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-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14555.5 lumens
Efficiency: N/A
Efficacy: 120.5 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

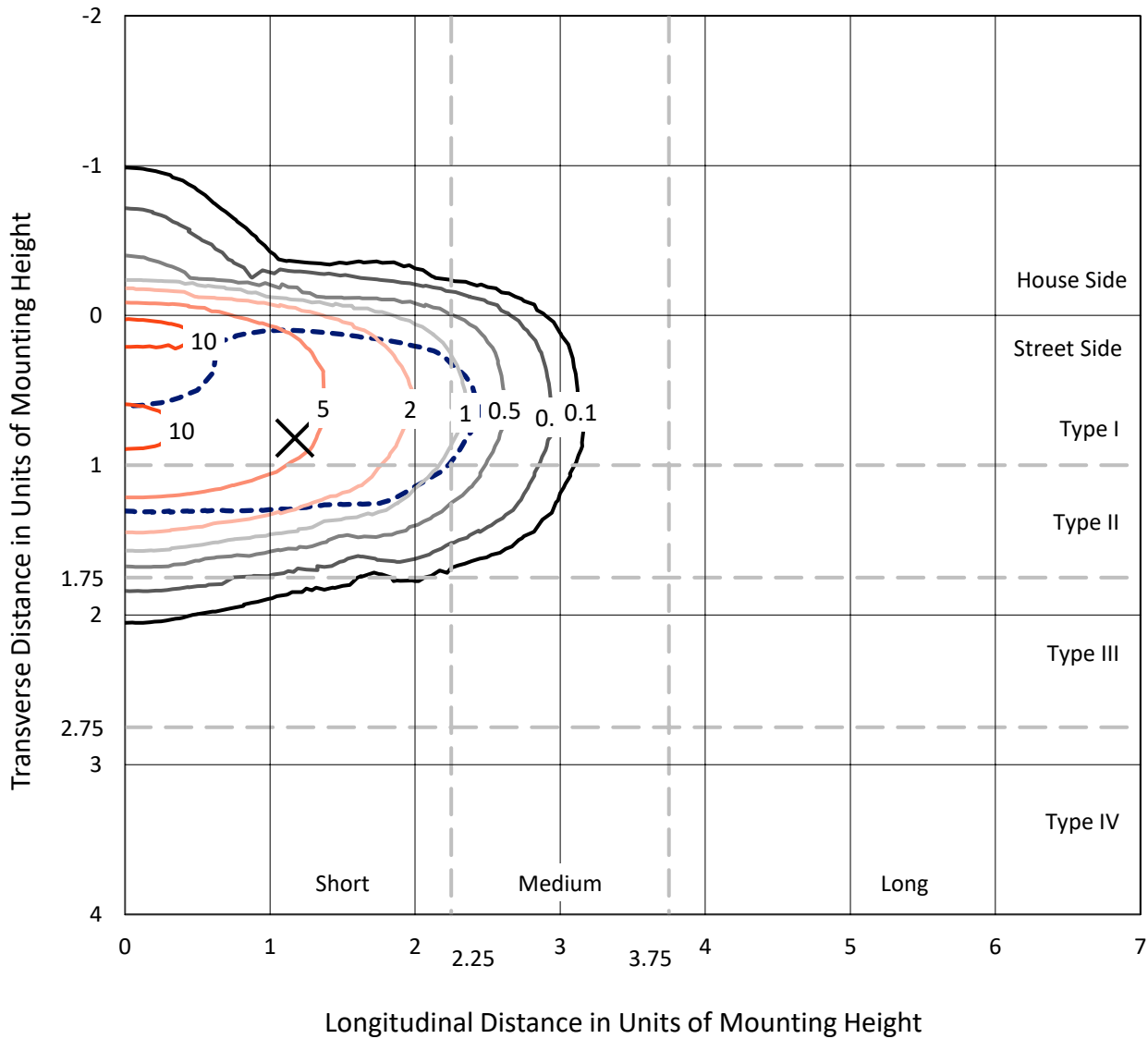
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

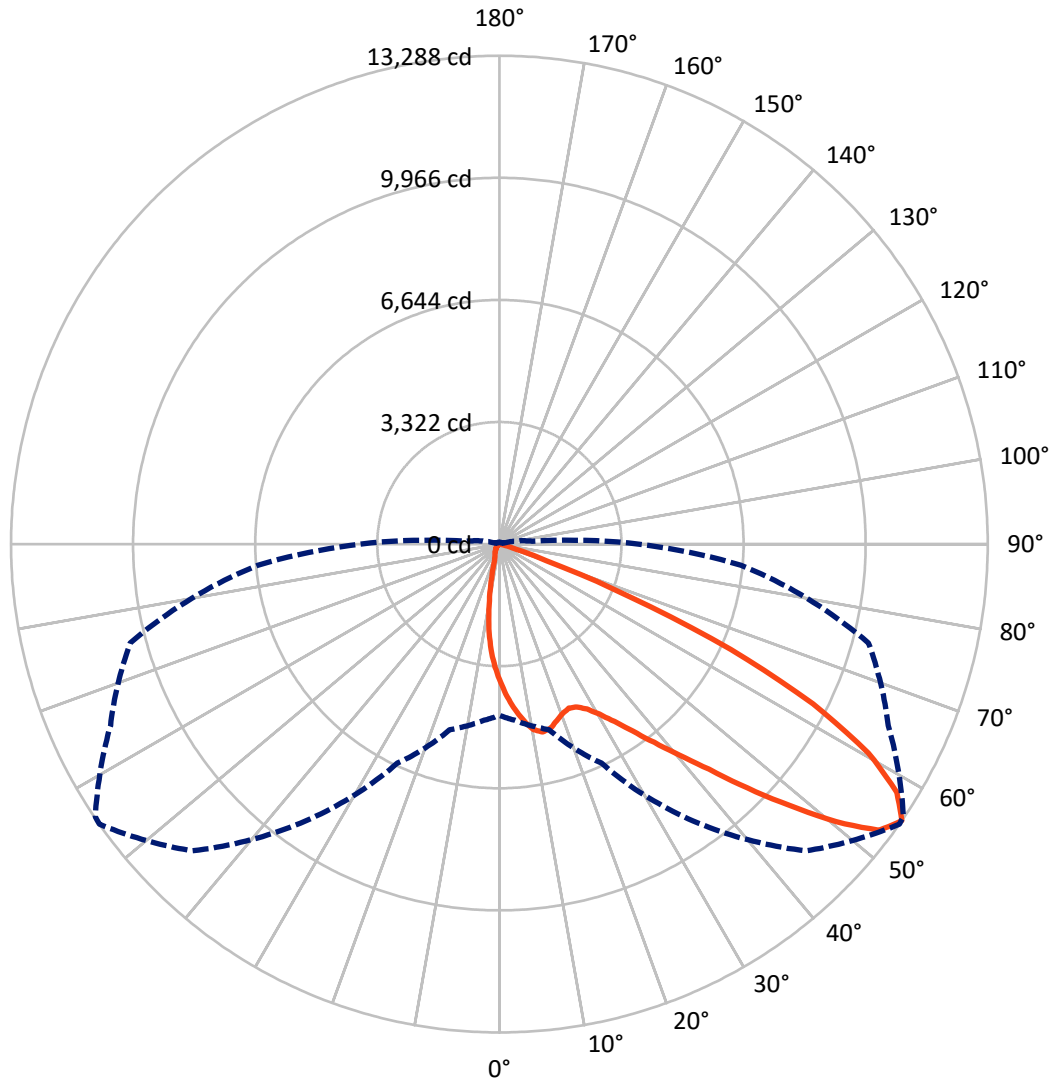
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 12.3 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	898.1	0.0	898.1
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	13657.4	0.0	13657.4
	% Fixture	93.8	0.0	93.8
Total	Lumens	14555.5	0.0	14555.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	332.3	2.3
10°-20°	801.2	5.5
20°-30°	1334.3	9.2
30°-40°	2273.7	15.6
40°-50°	3711.5	25.5
50°-60°	3885.7	26.7
60°-70°	1959.9	13.5
70°-80°	247.6	1.7
80°-90°	9.4	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°	14555.5	100.0
0°-180°	14555.5	100.0

Coefficient of Utilization



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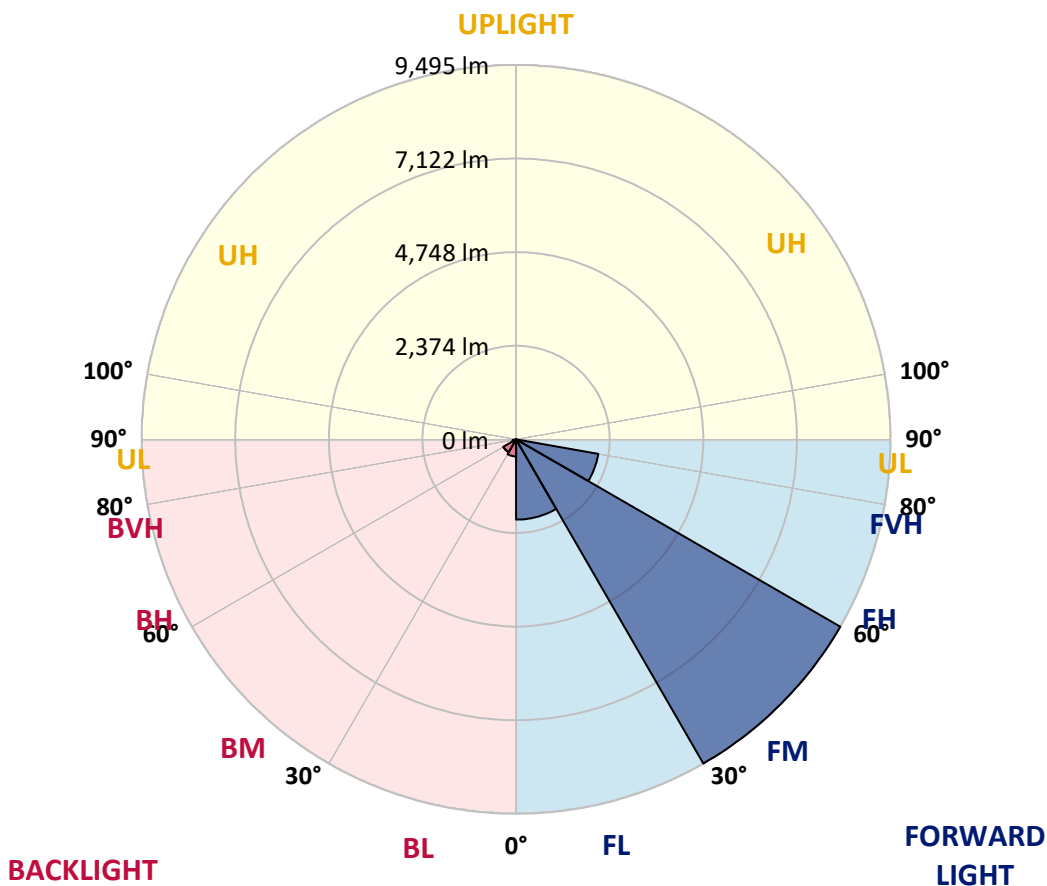
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2036.1	14.0			
FM (30°-60°)	9495.4	65.2			
FH (60°-80°)	2117.3	14.5			G2/5000
FVH (80°-90°)	8.5	0.1			G0/10
BL (0°-30°)	431.7	3.0	B1/500		
BM (30°-60°)	375.5	2.6	B1/1000		
BH (60°-80°)	90.1	0.6	B0/110		G0/110
BVH (80°-90°)	0.8	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°	3760.3	3760.3	3760.3	3760.3	3760.3	3760.3	3760.3	3760.3	3760.3	3760.3	3760.3
2.5°	4383.7	4362.5	4394.9	4357.6	4294.1	4240.6	4170.9	4146.0	4034.0	3928.3	3826.2
5°	4916.2	4922.5	4912.5	4860.3	4770.7	4671.1	4530.5	4499.4	4304.0	4102.5	3884.7
7.5°	5048.1	5044.4	5065.6	5085.5	5070.5	5020.8	4867.7	4836.6	4594.0	4291.6	3974.3
10°	4641.3	4643.7	4687.3	4821.7	4988.4	5161.4	5137.7	5120.3	4882.7	4505.6	4073.9
12.5°	4066.4	4088.8	4134.8	4326.4	4608.9	5002.1	5246.0	5263.4	5147.7	4740.8	4190.8
15°	3817.5	3822.5	3859.8	3975.6	4185.8	4671.1	5199.9	5248.5	5369.2	4977.2	4317.7
17.5°	3811.3	3817.5	3833.7	3884.7	4021.6	4411.1	5051.9	5136.5	5535.9	5231.1	4469.5
20°	4045.2	4041.5	4030.3	4002.9	4062.7	4325.2	4915.0	5008.3	5626.7	5478.7	4622.6
22.5°	4469.5	4464.6	4414.8	4301.6	4253.0	4403.6	4847.8	4932.4	5681.5	5698.9	4748.3
25°	4958.6	4993.4	4900.1	4728.4	4608.9	4603.9	4907.5	4967.3	5728.8	5894.3	4834.1
27.5°	5494.8	5506.0	5426.4	5233.5	5060.6	4925.0	5080.5	5125.3	5781.0	6068.5	4882.7
30°	6083.4	6079.7	5988.8	5764.9	5554.6	5359.2	5371.7	5389.1	5903.0	6267.6	4936.2
32.5°	6818.8	6835.0	6673.2	6368.4	6115.8	5845.7	5752.4	5754.9	6123.2	6523.9	5017.0
35°	7818.0	7778.1	7564.1	7129.9	6699.3	6408.2	6248.9	6235.2	6462.9	6868.6	5157.6
37.5°	8769.9	8773.6	8549.6	8071.8	7528.0	7068.9	6843.7	6806.3	6940.7	7346.4	5391.6
40°	9430.6	9443.0	9349.7	9099.6	8523.5	7874.0	7543.0	7504.4	7560.4	7951.1	5697.7
42.5°	9780.2	9815.1	9841.2	9899.7	9462.9	8879.4	8370.4	8366.7	8308.2	8640.5	6052.3
45°	9793.9	9846.2	10005.5	10404.9	10454.6	10026.6	9472.9	9389.5	9164.3	9378.3	6369.6
47.5°	9252.6	9373.3	9711.8	10503.2	11025.8	11167.6	10618.9	10567.9	9935.8	9961.9	6607.3
50°	7990.9	8116.6	8740.0	9999.2	11170.1	12073.5	11876.9	11771.1	10580.3	10347.6	6721.7
52.5°	6696.8	6811.3	7234.4	8799.7	10571.6	12358.4	12937.0	12811.4	11158.9	10482.0	6674.5
55°	4659.9	4813.0	5226.1	6577.4	9192.9	11803.5	13287.9	13261.8	11675.3	10397.4	6601.0
57.5°	2284.5	2436.3	2848.2	4055.2	6810.1	10305.3	12751.6	12889.8	11983.9	10306.6	6541.3
60°	954.4	1016.6	1158.4	1779.4	3810.1	7788.1	11540.9	11732.5	11794.8	10183.4	6535.1
62.5°	553.7	563.7	578.6	737.9	1482.0	4464.6	9573.7	9846.2	10800.6	10020.4	6436.8
65°	418.1	421.8	415.6	452.9	612.2	1693.5	6917.1	7287.9	9015.0	9383.3	6048.6
67.5°	343.4	343.4	327.3	334.7	384.5	634.6	3818.8	4336.4	6670.7	7712.2	4994.6
70°	273.7	280.0	272.5	262.5	275.0	350.9	1358.8	1684.8	3884.7	4554.2	2912.9
72.5°	207.8	207.8	220.2	212.8	204.1	220.2	474.1	532.6	1559.1	1898.8	1051.4
75°	160.5	165.5	174.2	166.7	154.3	130.7	227.7	241.4	470.3	441.7	235.2
77.5°	82.1	83.4	110.7	121.9	114.5	79.6	99.5	109.5	153.0	136.9	87.1
80°	49.8	52.3	62.2	95.8	75.9	42.3	41.1	43.6	72.2	62.2	36.1
82.5°	21.2	22.4	34.8	34.8	31.1	16.2	16.2	16.2	34.8	32.4	14.9
85°	0.0	0.0	6.2	5.0	5.0	6.2	6.2	6.2	8.7	12.4	7.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	3.7	3.7
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°	3760.3	3760.3	3760.3	3760.3	3760.3	3760.3	3760.3	3760.3	3760.3	3760.3	3760.3
2.5°	3760.3	3680.7	3573.6	3476.6	3345.9	3272.5	3170.5	3087.1	3016.2	2993.8	2983.8
5°	3761.5	3624.7	3395.7	3166.8	2885.5	2664.1	2436.3	2255.9	2107.9	2060.6	2048.1
7.5°	3786.4	3584.8	3214.0	2798.4	2328.1	1939.9	1592.7	1281.6	1137.3	1088.8	1078.8
10°	3820.0	3551.2	3003.8	2356.7	1681.1	1182.1	837.4	638.3	543.8	491.5	499.0
12.5°	3863.6	3523.9	2771.1	1878.9	1112.4	649.5	460.4	385.7	365.8	355.9	350.9
15°	3922.0	3491.5	2482.4	1404.8	681.9	418.1	354.6	334.7	327.3	322.3	321.0
17.5°	3981.8	3454.2	2188.7	988.0	452.9	347.2	318.5	308.6	303.6	299.9	298.6
20°	4045.2	3390.7	1844.1	680.6	357.1	312.3	293.7	282.5	276.2	270.0	268.8
22.5°	4072.6	3288.7	1514.3	476.6	317.3	287.4	263.8	250.1	242.6	237.7	237.7
25°	4046.5	3123.2	1173.4	362.1	288.7	260.1	236.4	221.5	215.3	210.3	210.3
27.5°	3976.8	2910.4	856.1	299.9	257.6	231.4	209.0	195.4	190.4	187.9	187.9
30°	3899.7	2641.7	603.5	257.6	222.7	201.6	182.9	174.2	173.0	170.5	170.5
32.5°	3833.7	2390.3	415.6	226.5	196.6	175.4	163.0	159.3	160.5	158.0	159.3
35°	3797.6	2143.9	308.6	201.6	175.4	155.5	149.3	149.3	149.3	148.1	148.1
37.5°	3812.5	1901.3	251.3	184.2	156.8	141.9	135.6	138.1	140.6	140.6	140.6
40°	3887.2	1686.0	222.7	168.0	140.6	129.4	124.4	128.2	131.9	134.4	134.4
42.5°	3981.8	1511.8	201.6	154.3	129.4	117.0	114.5	118.2	121.9	124.4	124.4
45°	4041.5	1336.4	180.4	136.9	118.2	103.3	103.3	108.3	107.0	108.3	108.3
47.5°	4068.9	1197.0	159.3	118.2	100.8	89.6	90.8	93.3	90.8	93.3	93.3
50°	4001.7	1056.4	140.6	98.3	83.4	78.4	80.9	79.6	79.6	84.6	84.6
52.5°	3878.5	951.9	124.4	83.4	70.9	69.7	72.2	67.2	68.4	68.4	67.2
55°	3787.7	892.2	110.7	72.2	61.0	62.2	61.0	52.3	47.3	42.3	41.1
57.5°	3742.9	868.5	100.8	64.7	54.7	54.7	49.8	36.1	27.4	21.2	18.7
60°	3732.9	839.9	90.8	56.0	48.5	46.0	36.1	21.2	13.7	10.0	8.7
62.5°	3638.3	770.2	82.1	44.8	42.3	37.3	22.4	12.4	7.5	5.0	3.7
65°	3328.5	633.4	73.4	34.8	32.4	27.4	13.7	7.5	3.7	1.2	0.0
67.5°	2647.9	449.2	64.7	26.1	22.4	17.4	8.7	5.0	1.2	0.0	0.0
70°	1526.8	242.6	53.5	18.7	14.9	11.2	6.2	2.5	0.0	0.0	0.0
72.5°	510.2	113.2	41.1	12.4	11.2	8.7	3.7	1.2	0.0	0.0	0.0
75°	112.0	67.2	27.4	8.7	7.5	6.2	2.5	0.0	0.0	0.0	0.0
77.5°	42.3	47.3	13.7	6.2	5.0	3.7	1.2	0.0	0.0	0.0	0.0
80°	16.2	31.1	6.2	3.7	3.7	1.2	0.0	0.0	0.0	0.0	0.0
82.5°	8.7	12.4	3.7	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
85°	5.0	6.2	2.5	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.5	1.2	1.2	1.2	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)