

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P945202

Luminaire Tested: **GALN-SB1B-722-U-T2U-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945202
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB1B-722-U-T2U-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE II U OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3556 lumens
Efficiency: N/A
Efficacy: 89.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

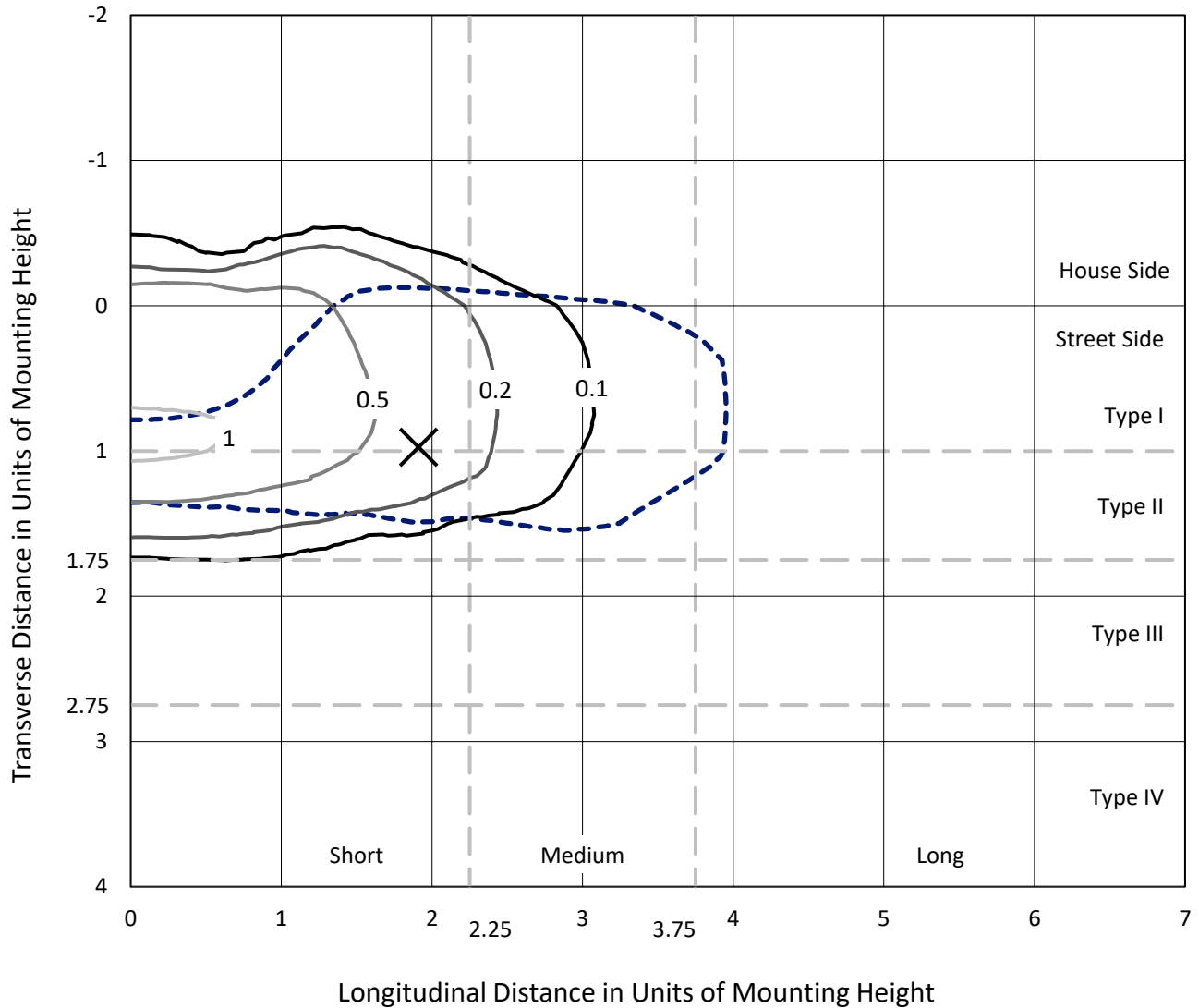
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

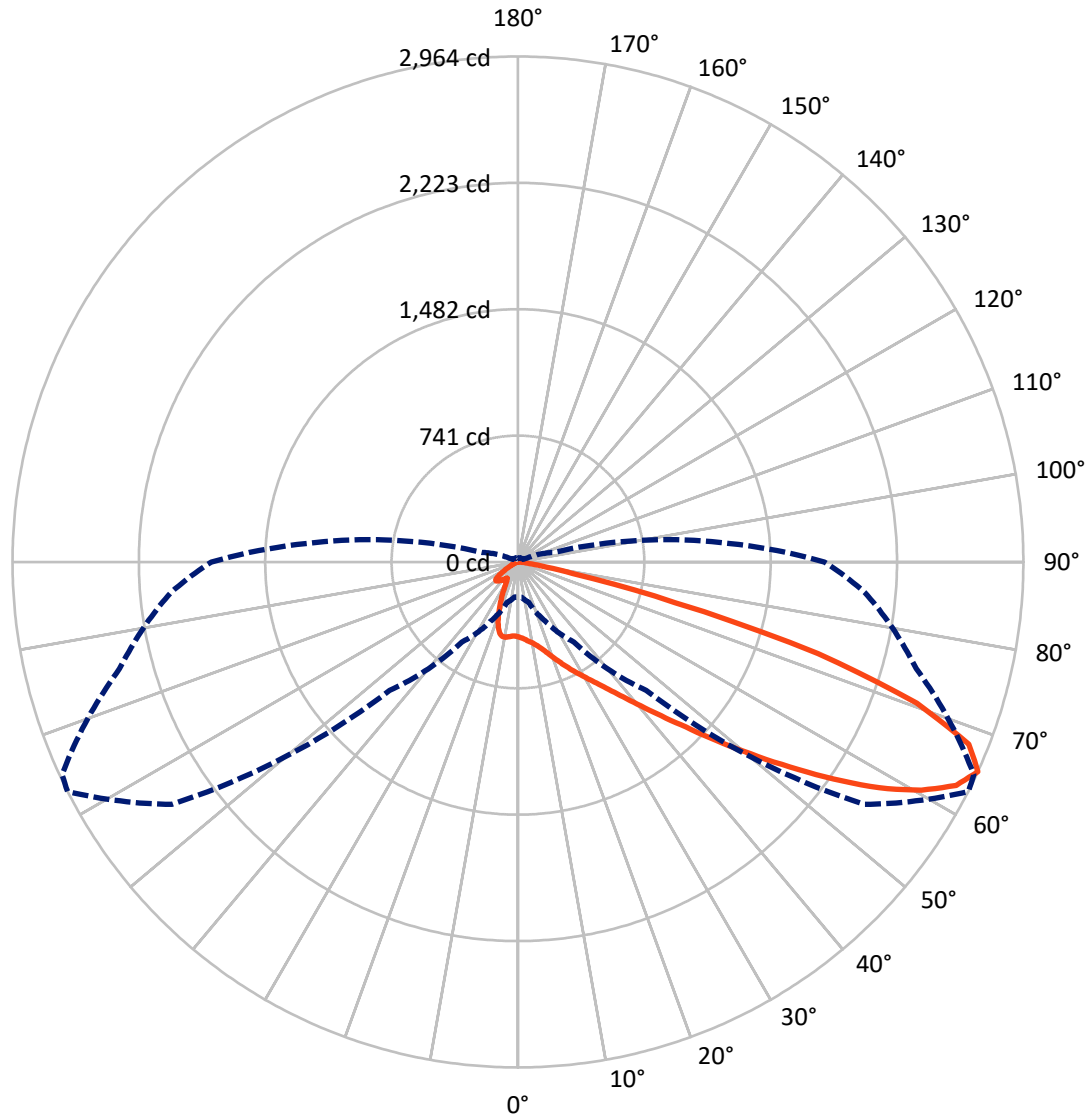
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 63-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	522.7	0.0	522.7
	% Fixture	14.7	0.0	14.7
Street Side	Lumens	3033.3	0.0	3033.3
	% Fixture	85.3	0.0	85.3
Total	Lumens	3556.0	0.0	3556.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.4	1.2
10°-20°	114.7	3.2
20°-30°	199.8	5.6
30°-40°	360.1	10.1
40°-50°	714.2	20.1
50°-60°	972.8	27.4
60°-70°	776.5	21.8
70°-80°	351.4	9.9
80°-90°	25.3	0.7
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°	3556.0	100.0
0°-180°	3556.0	100.0

Coefficient of Utilization



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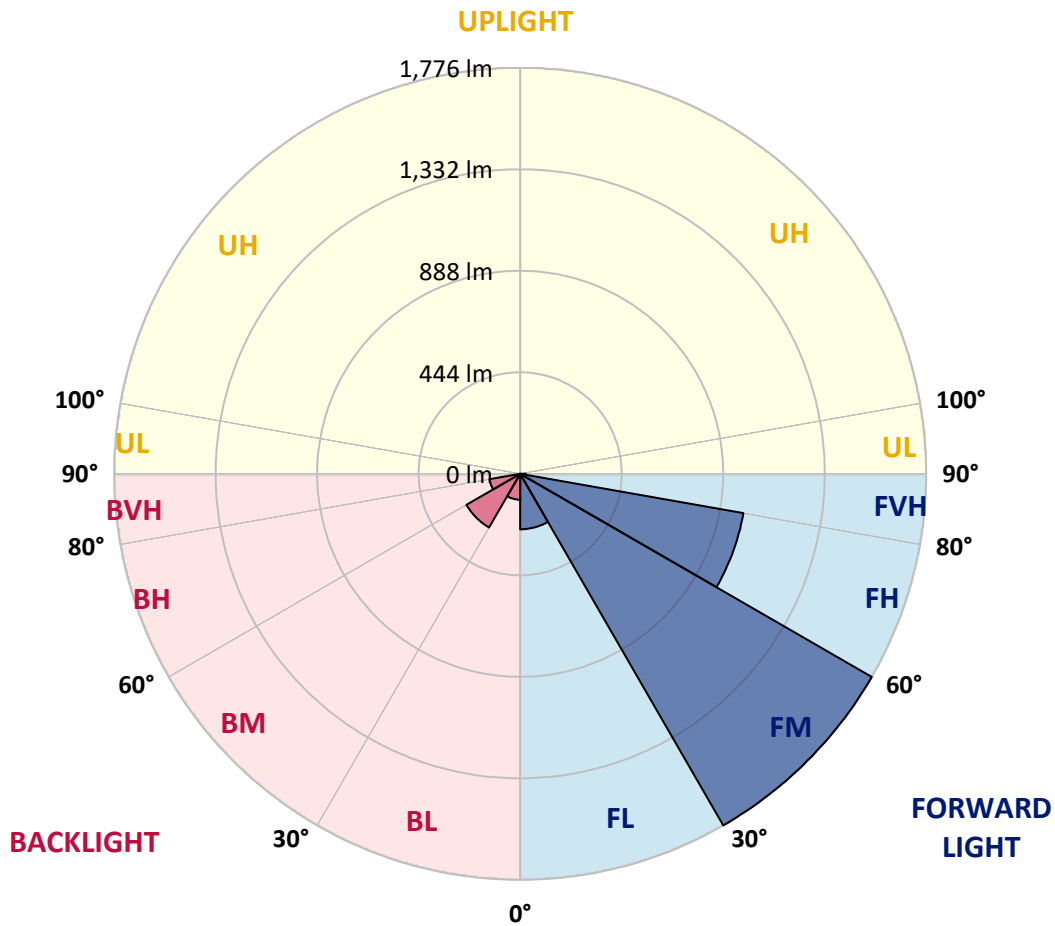
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	242.7	6.8			
FM (30°-60°)	1775.8	49.9			
FH (60°-80°)	991.4	27.9			G1/1800
FVH (80°-90°)	23.4	0.7			G1/100
BL (0°-30°)	113.1	3.2	B1/500		
BM (30°-60°)	271.3	7.6	B1/1000		
BH (60°-80°)	136.5	3.8	B1/500		G1/500
BVH (80°-90°)	1.9	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	438.9	438.9	438.9	438.9	438.9	438.9	438.9	438.9	438.9	438.9	438.9
2.5°	449.2	447.9	449.6	448.9	448.4	447.4	447.0	446.5	445.5	444.7	441.8
5°	450.4	449.6	451.4	452.8	454.3	455.8	456.5	457.5	456.5	454.5	451.6
7.5°	440.1	439.6	443.3	447.7	454.3	459.9	466.0	469.5	469.7	469.0	465.8
10°	439.4	438.1	441.8	447.2	455.8	465.8	476.6	483.9	484.9	488.0	484.6
12.5°	450.9	449.6	454.8	460.7	469.5	480.0	493.2	503.5	504.9	509.3	506.9
15°	470.2	468.5	474.3	481.9	493.2	505.2	519.1	528.4	529.6	535.0	530.6
17.5°	492.7	491.0	497.8	505.9	518.1	534.5	550.7	561.0	562.4	565.8	557.8
20°	521.6	519.4	524.7	532.1	545.0	564.6	583.9	598.6	598.4	598.4	585.2
22.5°	555.1	551.7	556.3	562.2	574.4	598.1	623.8	641.2	641.2	634.3	612.6
25°	591.0	587.6	592.8	598.1	608.9	635.8	665.9	687.4	688.4	676.7	641.9
27.5°	636.1	631.7	635.6	641.9	648.3	675.7	711.4	736.4	736.8	718.7	669.8
30°	722.7	710.2	697.9	691.1	694.0	721.2	759.4	787.0	789.4	764.5	700.1
32.5°	881.2	878.7	835.7	779.4	750.1	770.1	812.9	846.2	847.7	815.6	739.5
35°	1127.5	1124.6	1055.4	948.2	852.6	835.7	878.0	917.4	916.4	880.2	790.7
37.5°	1421.6	1418.9	1327.6	1184.3	1029.4	934.8	961.9	1003.3	1009.4	961.9	856.7
40°	1672.8	1662.8	1605.1	1466.8	1264.3	1099.2	1081.3	1108.7	1115.1	1058.8	940.6
42.5°	1863.2	1854.6	1825.2	1738.9	1548.5	1342.3	1222.0	1232.5	1239.6	1172.1	1037.0
45°	1961.7	1959.8	1971.5	1963.5	1838.2	1640.8	1423.0	1379.3	1382.0	1297.6	1146.4
47.5°	1975.7	1974.7	2028.3	2104.1	2087.2	1977.4	1681.1	1562.2	1552.7	1439.2	1265.3
50°	1893.5	1891.5	1994.3	2136.4	2253.6	2260.2	1974.2	1768.5	1747.4	1585.7	1389.3
52.5°	1631.0	1630.5	1799.3	2035.9	2312.1	2507.8	2263.9	1995.0	1959.8	1740.8	1520.4
55°	1255.0	1264.0	1457.5	1737.2	2205.4	2626.9	2523.9	2246.5	2192.4	1896.9	1641.3
57.5°	889.0	902.2	1093.5	1342.6	1874.6	2556.4	2699.8	2498.5	2440.2	2052.5	1763.8
60°	477.5	489.3	680.8	978.1	1394.7	2293.7	2792.5	2717.2	2662.1	2200.3	1874.4
62.5°	284.5	288.4	367.7	631.4	943.3	1752.3	2753.1	2883.8	2838.5	2324.3	1970.5
65°	204.3	205.0	244.9	385.5	572.7	1064.7	2476.9	2963.5	2949.6	2417.7	2041.7
67.5°	172.0	171.5	188.1	256.1	390.2	533.3	1898.4	2850.7	2909.9	2476.9	2082.1
70°	147.5	148.2	167.8	187.6	293.3	301.9	943.8	2482.1	2608.3	2492.6	2079.7
72.5°	109.8	112.3	130.4	171.0	221.4	207.7	325.9	1840.4	2068.6	2348.5	1971.8
75°	77.5	78.8	91.7	143.8	165.1	151.2	166.4	951.4	1244.0	1800.5	1613.9
77.5°	59.7	61.9	69.5	100.5	162.7	106.2	101.8	329.3	505.9	1087.7	1106.5
80°	32.3	36.2	50.2	72.7	114.2	75.1	50.4	131.1	171.5	508.6	426.6
82.5°	16.6	18.6	35.0	52.4	65.1	65.6	25.0	54.6	70.7	157.1	58.5
85°	6.6	8.1	23.5	28.9	33.5	32.3	11.3	22.0	25.4	43.5	17.9
87.5°	1.5	2.4	8.6	6.6	6.4	6.8	2.7	5.1	4.9	5.1	3.2
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°	438.9	438.9	438.9	438.9	438.9	438.9	438.9	438.9	438.9	438.9	438.9
2.5°	441.6	440.6	437.9	435.0	431.5	429.6	428.4	428.1	426.4	425.2	426.4
5°	448.9	447.9	442.8	436.7	430.1	424.9	420.0	415.6	409.3	408.1	407.6
7.5°	463.6	460.9	452.6	444.3	431.8	416.9	398.8	378.0	359.4	353.7	351.1
10°	481.7	478.0	467.5	452.8	425.2	384.6	340.8	300.2	267.9	258.8	255.4
12.5°	502.2	499.1	485.1	458.0	397.5	323.9	256.9	206.5	175.2	167.3	165.1
15°	526.7	522.1	502.7	450.1	348.1	246.1	176.4	146.5	135.3	133.8	132.3
17.5°	552.6	545.0	518.4	422.0	281.6	174.9	136.3	127.7	122.8	121.3	120.6
20°	576.4	566.6	527.7	379.4	210.4	136.3	122.1	116.4	112.0	110.3	109.4
22.5°	600.1	586.1	527.7	321.5	157.8	120.9	112.0	106.9	101.8	99.6	98.3
25°	624.8	606.2	518.4	256.9	127.0	110.8	102.5	96.9	92.5	89.8	88.8
27.5°	648.8	623.1	497.1	195.7	113.0	102.0	93.7	88.3	84.2	82.2	82.2
30°	671.5	639.7	467.3	148.5	104.0	93.5	85.6	81.0	76.8	74.9	75.1
32.5°	702.4	660.8	435.5	121.8	96.1	85.4	78.3	73.9	70.2	68.7	68.7
35°	745.2	691.8	408.1	119.6	89.5	78.8	71.7	67.5	63.9	62.6	62.6
37.5°	805.8	742.0	393.6	134.3	84.2	72.9	66.3	61.9	58.5	57.5	57.2
40°	880.7	810.0	401.4	149.0	80.5	67.8	61.4	57.0	54.1	52.8	52.6
42.5°	969.5	893.9	444.7	160.2	78.0	63.4	56.8	51.9	49.9	49.4	49.4
45°	1071.5	986.1	511.0	172.2	74.1	59.2	52.1	48.4	47.0	46.7	46.5
47.5°	1187.5	1087.4	587.9	187.1	70.2	55.3	48.4	46.0	44.8	44.3	44.3
50°	1302.4	1189.4	666.9	195.5	67.0	51.6	45.5	43.5	42.6	42.3	42.3
52.5°	1422.8	1294.4	730.7	187.6	64.3	48.7	43.1	41.6	40.6	40.4	40.4
55°	1537.5	1379.3	741.7	159.3	59.0	45.7	40.4	39.6	38.4	38.4	38.2
57.5°	1636.4	1421.8	663.9	116.9	53.6	41.3	37.7	36.9	36.0	35.7	35.5
60°	1727.1	1409.6	512.5	78.8	47.7	36.9	34.2	33.8	32.8	31.6	31.3
62.5°	1778.3	1355.8	350.6	51.4	41.8	32.3	30.3	30.1	27.9	25.4	25.0
65°	1797.6	1245.2	218.7	37.4	35.0	27.6	26.2	25.7	22.5	19.8	19.6
67.5°	1780.7	1063.2	110.3	29.6	27.6	23.0	21.5	21.5	19.3	16.9	16.6
70°	1713.2	797.0	46.5	23.7	21.3	17.6	17.6	18.6	16.4	13.7	13.5
72.5°	1566.7	536.2	24.7	18.1	15.9	12.5	14.4	15.2	13.0	10.3	10.3
75°	1245.4	327.1	17.1	13.5	10.0	8.8	11.0	11.5	8.8	6.8	6.6
77.5°	851.8	187.9	11.5	8.6	6.4	5.1	7.6	7.1	4.6	3.2	3.4
80°	374.0	78.3	6.6	3.9	2.4	2.0	2.7	2.0	1.5	1.0	1.0
82.5°	43.8	18.3	2.4	1.5	1.0	0.5	0.2	0.0	0.0	0.0	0.0
85°	9.1	2.2	1.2	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.7	0.5	0.2	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)