

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: STREETWORKS

Report Number: P482285

Luminaire Tested: **IFLD-S-SA2A-722-U-T3-HSS**

Issue Date: 02/26/2021

Test Information

Test Method: LM-79-08
Report Number: P482285
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2A-722-U-T3-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T3
distribution lens with House Side Shield
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

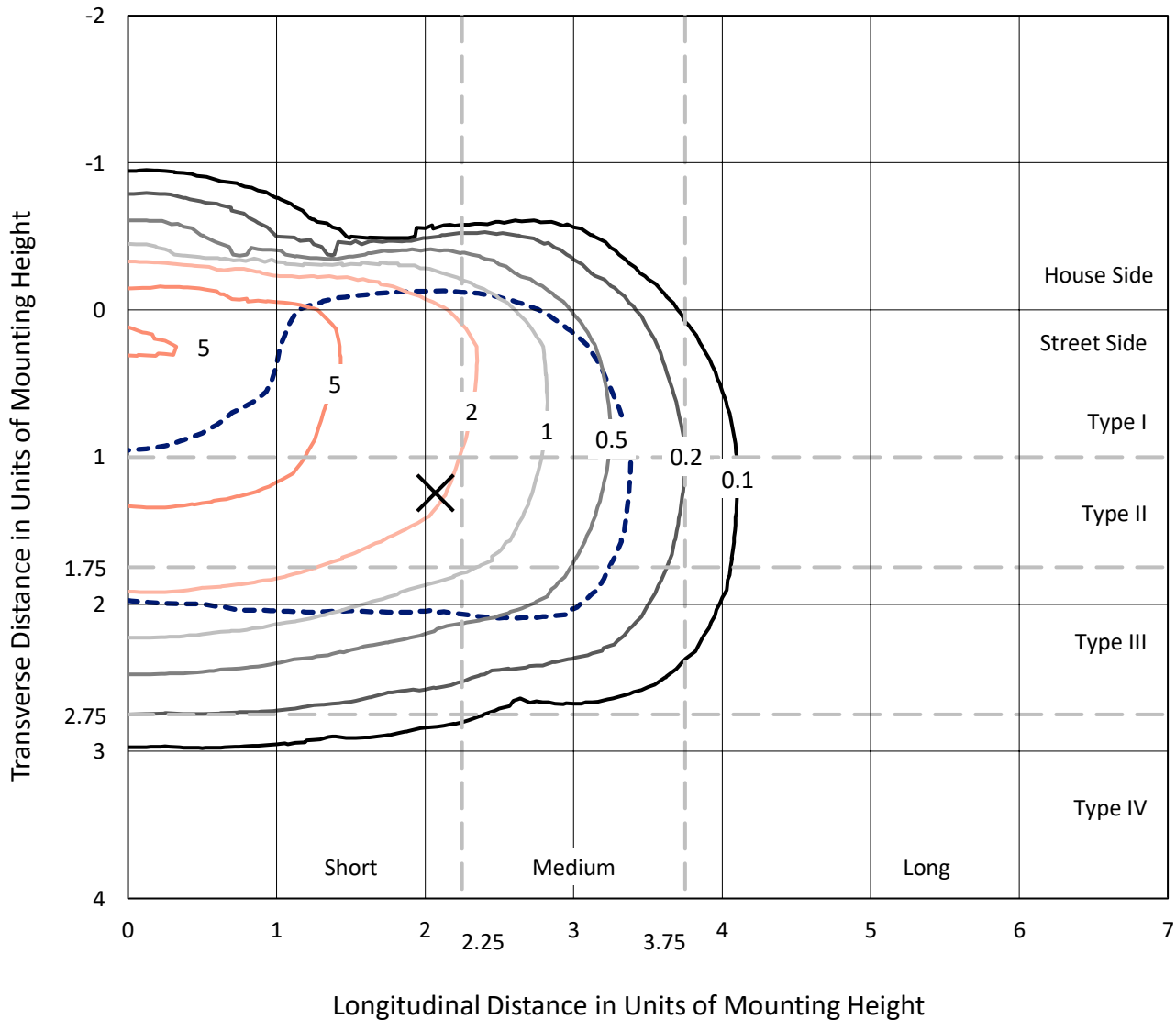
Lumens per Lamp: N/A
Luminaire Lumens: 5046.1 lumens
Efficiency: N/A
Efficacy: 79.1 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1' x H: 0.5')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 63.8
Input Voltage (V): 120
Input Current (A_{in}): 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

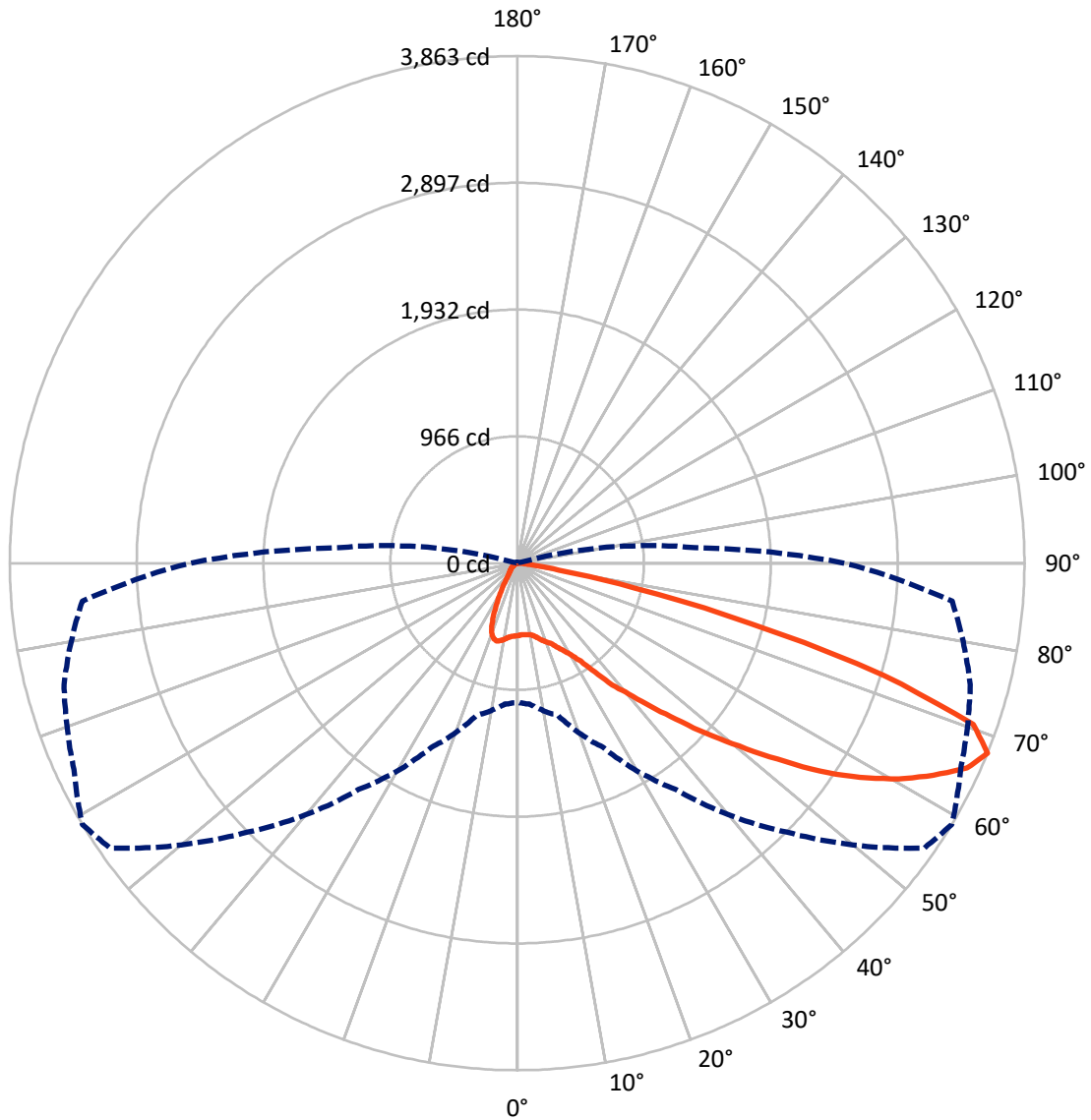
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	592.8	0.0	592.8
	% Fixture	11.7	0.0	11.7
Street Side	Lumens	4453.3	0.0	4453.3
	% Fixture	88.3	0.0	88.3
Total	Lumens	5046.1	0.0	5046.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.6	1.0
10°-20°	151.9	3.0
20°-30°	265.4	5.3
30°-40°	467.3	9.3
40°-50°	826.0	16.4
50°-60°	1307.9	25.9
60°-70°	1450.8	28.8
70°-80°	503.4	10.0
80°-90°	20.7	0.4
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°	5046.1	100.0
0°-180°	5046.1	100.0

Coefficient of Utilization

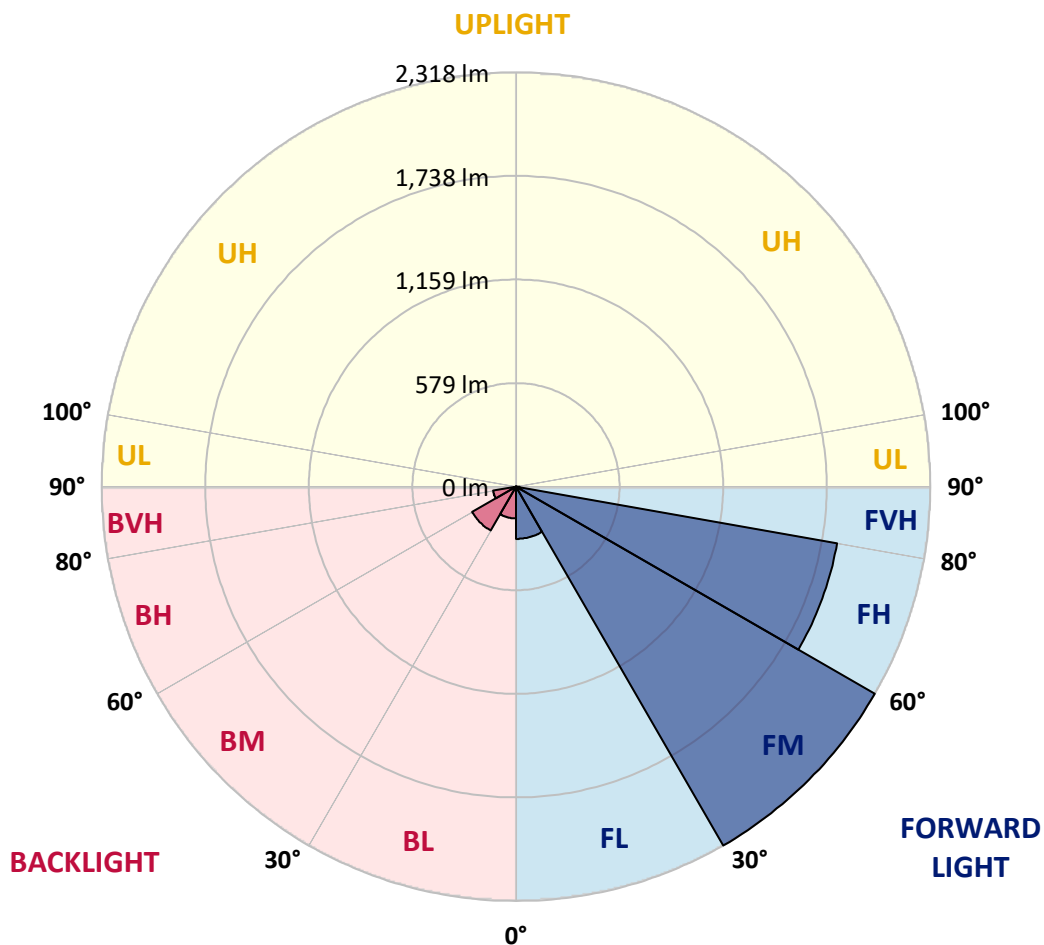


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	292.2	5.8			
FM (30°-60°)	2317.9	45.9			
FH (60°-80°)	1823.9	36.1			G2/5000
FVH (80°-90°)	19.4	0.4			G1/100
BL (0°-30°)	177.6	3.5	B1/500		
BM (30°-60°)	283.4	5.6	B1/1000		
BH (60°-80°)	130.4	2.6	B1/500		G1/500
BVH (80°-90°)	1.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	553.5	553.5	553.5	553.5	553.5	553.5	553.5	553.5	553.5	553.5	553.5
2.5°	537.4	529.8	536.7	537.4	538.1	544.4	551.4	546.5	545.8	551.4	556.3
5°	515.8	512.3	520.7	524.9	531.9	537.4	548.6	549.3	550.0	556.3	564.6
7.5°	506.8	498.4	508.2	513.0	517.9	531.2	544.4	551.4	561.1	568.8	577.2
10°	488.6	494.9	497.7	506.1	520.0	535.3	551.4	554.9	576.5	582.7	603.0
12.5°	494.9	499.1	504.7	506.8	522.1	545.1	566.7	568.1	590.4	617.6	628.1
15°	510.9	508.2	510.2	513.0	531.2	550.0	584.8	591.1	612.0	642.7	668.5
17.5°	545.1	540.2	536.7	536.0	540.2	557.6	598.8	617.6	637.1	678.9	692.2
20°	630.8	626.7	612.7	576.5	563.9	570.9	615.5	642.0	669.2	715.9	737.5
22.5°	761.2	765.4	732.6	681.7	629.4	602.3	642.0	665.0	708.2	767.5	787.0
25°	915.2	906.9	867.1	807.9	725.6	661.5	684.5	710.3	763.3	812.1	819.7
27.5°	1035.8	1026.1	995.4	923.6	852.5	748.6	740.3	756.3	819.0	863.0	854.6
30°	1155.0	1158.5	1137.6	1052.6	964.7	855.3	802.3	809.3	857.4	913.8	895.0
32.5°	1307.0	1298.6	1286.8	1212.2	1108.3	991.2	900.6	889.5	910.4	984.9	962.6
35°	1448.5	1443.6	1427.6	1352.3	1261.7	1134.1	1045.6	1020.5	1015.6	1098.6	1059.5
37.5°	1571.9	1563.5	1539.1	1491.0	1403.2	1295.8	1198.9	1176.6	1175.9	1233.1	1157.8
40°	1675.7	1682.0	1679.2	1626.2	1578.1	1492.4	1343.9	1308.4	1305.6	1336.3	1292.4
42.5°	1810.3	1824.9	1817.2	1806.8	1748.9	1715.5	1547.5	1493.1	1468.7	1531.4	1491.7
45°	2013.8	2019.4	2024.3	1998.5	1940.6	1947.6	1758.0	1693.2	1686.9	1780.3	1691.1
47.5°	2204.1	2189.5	2223.6	2225.0	2222.2	2190.2	1985.2	1937.1	1945.5	2016.6	1924.6
50°	2251.5	2289.1	2383.3	2400.7	2446.0	2475.3	2237.6	2189.5	2203.4	2284.3	2179.0
52.5°	2288.5	2345.6	2439.7	2567.3	2689.3	2759.0	2519.9	2480.8	2480.1	2529.6	2384.6
55°	2353.3	2388.1	2469.7	2645.3	2877.5	2991.8	2860.0	2797.3	2740.8	2775.7	2597.9
57.5°	2347.0	2360.2	2487.1	2703.9	3026.6	3234.4	3139.6	3079.6	3007.1	2986.9	2843.3
60°	2236.9	2268.2	2410.4	2664.2	3118.7	3423.3	3400.3	3338.9	3214.1	3166.7	3031.5
62.5°	2018.7	2060.5	2172.0	2524.8	2984.8	3433.0	3580.1	3557.1	3417.7	3332.6	3276.9
65°	1636.0	1655.5	1783.8	2170.6	2682.3	3283.2	3792.7	3764.1	3635.9	3509.0	3403.1
67.5°	1059.5	1078.4	1201.7	1549.6	2106.5	2896.3	3784.3	3863.1	3724.4	3571.7	3324.3
70°	500.5	495.6	610.6	860.9	1349.5	2211.8	3528.5	3684.0	3566.2	3237.8	2761.1
72.5°	152.7	165.9	253.7	381.3	692.9	1379.5	2765.9	2911.6	2874.7	2586.8	1843.0
75°	67.6	73.2	99.7	156.1	280.9	566.0	1708.5	1838.2	1822.1	1525.9	841.4
77.5°	43.2	47.4	62.7	89.2	127.6	179.8	787.0	913.2	885.3	536.0	220.3
80°	30.7	32.8	44.6	61.3	80.2	73.9	271.2	322.0	308.8	145.7	59.3
82.5°	16.7	18.1	32.8	45.3	53.7	37.6	76.0	94.8	99.0	64.8	28.6
85°	6.3	7.7	20.2	32.1	27.9	17.4	22.3	27.2	35.6	35.6	13.2
87.5°	0.0	0.7	8.4	13.9	7.0	4.9	6.3	7.7	9.8	16.7	4.9
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°	553.5	553.5	553.5	553.5	553.5	553.5	553.5	553.5	553.5	553.5	553.5
2.5°	559.7	554.9	557.0	560.4	552.8	557.0	548.6	554.9	557.0	548.6	552.8
5°	566.7	571.6	568.8	563.2	558.3	559.7	557.6	552.8	557.0	558.3	555.6
7.5°	586.9	581.3	582.7	576.5	566.7	566.0	552.8	549.3	550.7	552.1	547.2
10°	605.7	609.2	602.3	597.4	581.3	570.9	552.8	533.3	531.2	522.8	529.8
12.5°	639.2	630.8	628.1	612.0	596.0	561.1	522.1	492.1	467.0	458.0	448.9
15°	667.1	665.7	660.8	636.4	599.5	536.0	462.2	392.4	344.3	314.4	310.2
17.5°	705.4	699.2	690.1	651.8	573.7	470.5	344.3	256.5	208.4	189.6	182.6
20°	734.7	729.8	717.3	648.3	527.0	350.6	213.3	163.1	151.3	147.8	148.5
22.5°	777.2	761.9	738.2	630.8	441.9	233.5	153.4	145.7	143.6	140.8	141.5
25°	814.2	800.2	750.7	600.9	315.1	154.7	142.2	138.0	134.5	131.0	130.4
27.5°	846.9	829.5	764.0	539.5	197.3	133.1	131.7	126.9	119.9	114.3	112.2
30°	879.0	858.8	767.5	424.5	133.1	120.6	117.1	109.4	100.4	92.7	91.3
32.5°	932.7	908.3	762.6	303.2	115.0	107.3	99.7	90.6	77.4	71.1	69.7
35°	1016.3	979.4	756.3	178.4	103.2	94.8	83.0	71.1	61.3	55.1	53.7
37.5°	1112.5	1048.4	738.2	119.2	94.8	83.6	68.3	56.5	48.1	43.2	41.8
40°	1255.4	1149.5	668.5	97.6	84.3	71.1	55.1	44.6	38.3	34.9	33.5
42.5°	1412.9	1265.2	561.1	87.8	74.6	60.6	43.9	36.2	31.4	27.9	27.9
45°	1601.8	1385.8	432.9	80.2	66.2	50.2	36.2	29.3	25.1	22.3	20.9
47.5°	1812.4	1495.2	292.1	72.5	55.8	41.1	30.0	22.3	18.1	16.0	16.0
50°	2000.6	1592.1	186.1	63.4	48.8	34.2	24.4	18.1	14.6	11.9	11.2
52.5°	2171.3	1666.0	128.3	55.8	41.8	27.9	20.2	14.6	11.2	9.1	9.1
55°	2346.3	1703.6	94.8	48.1	36.2	23.7	16.7	13.2	9.8	7.7	7.0
57.5°	2489.9	1719.7	72.5	41.8	30.7	18.8	14.6	11.2	8.4	6.3	5.6
60°	2612.6	1712.0	56.5	34.9	24.4	16.0	12.5	9.1	7.0	4.9	4.2
62.5°	2684.4	1666.0	44.6	30.0	19.5	13.9	10.5	7.7	4.9	3.5	2.8
65°	2685.8	1568.4	34.9	22.3	14.6	11.9	9.1	6.3	3.5	1.4	0.7
67.5°	2493.4	1357.2	27.9	17.4	11.9	9.1	7.0	4.9	1.4	0.0	0.0
70°	1950.4	1026.8	23.0	13.9	9.8	7.7	4.9	2.8	0.7	0.0	0.0
72.5°	1242.9	614.8	18.8	11.2	8.4	5.6	3.5	2.1	0.0	0.0	0.0
75°	520.0	189.6	14.6	9.8	6.3	4.2	2.8	0.7	0.0	0.0	0.0
77.5°	133.8	59.9	11.9	8.4	6.3	3.5	2.1	0.7	0.0	0.0	0.0
80°	39.7	22.3	9.8	7.0	4.9	2.8	1.4	0.7	0.0	0.0	0.0
82.5°	18.1	13.2	8.4	6.3	4.2	2.8	1.4	0.0	0.0	0.0	0.0
85°	7.0	4.2	4.2	3.5	3.5	2.1	0.7	0.0	0.0	0.0	0.0
87.5°	2.8	1.4	1.4	1.4	0.7	0.7	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)