

Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: STREETWORKS

Report Number: P1208740

Luminaire Tested: UPW-SA2-070-727-U-5NQ

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208740
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-5)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/19/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA2-070-727-U-5NQ
Description: UNDERPASS WALL MOUNT LUMINAIRE
(2) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8391 lumens
Efficiency: N/A
Efficacy: 127.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

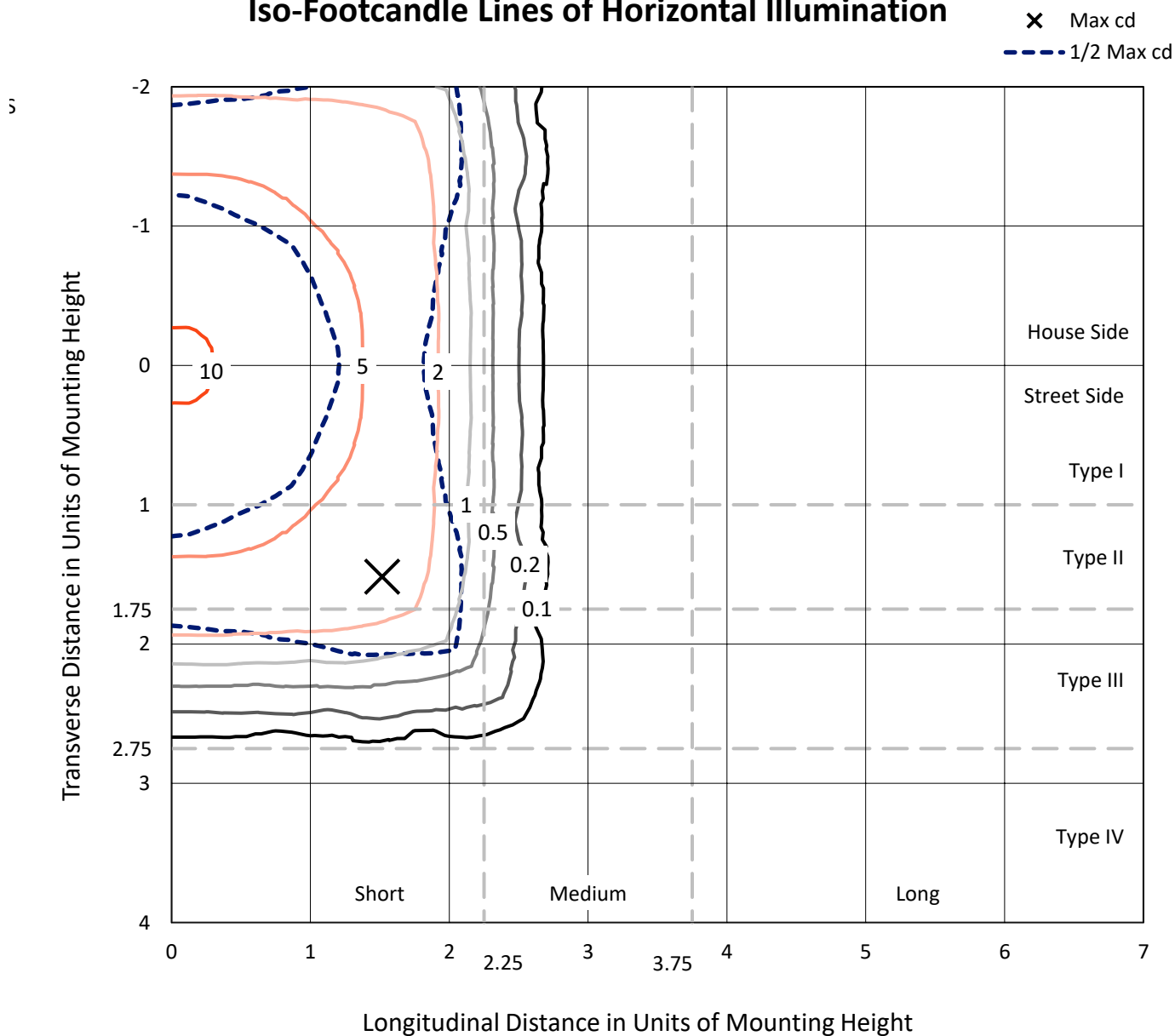
Input Watts (W): 66
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination



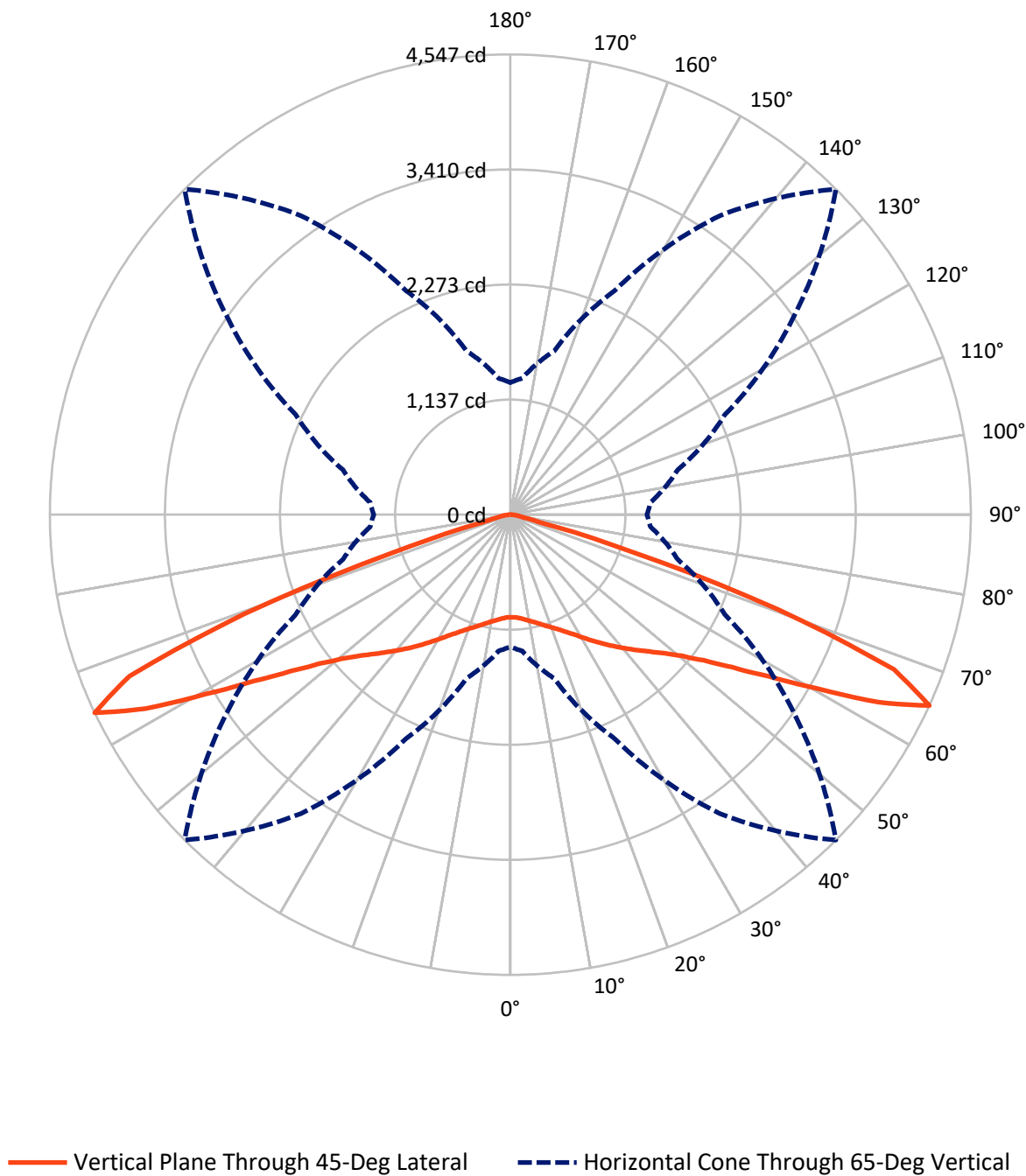
Based on 10 foot mounting height. Maximum calculated value = 10.2 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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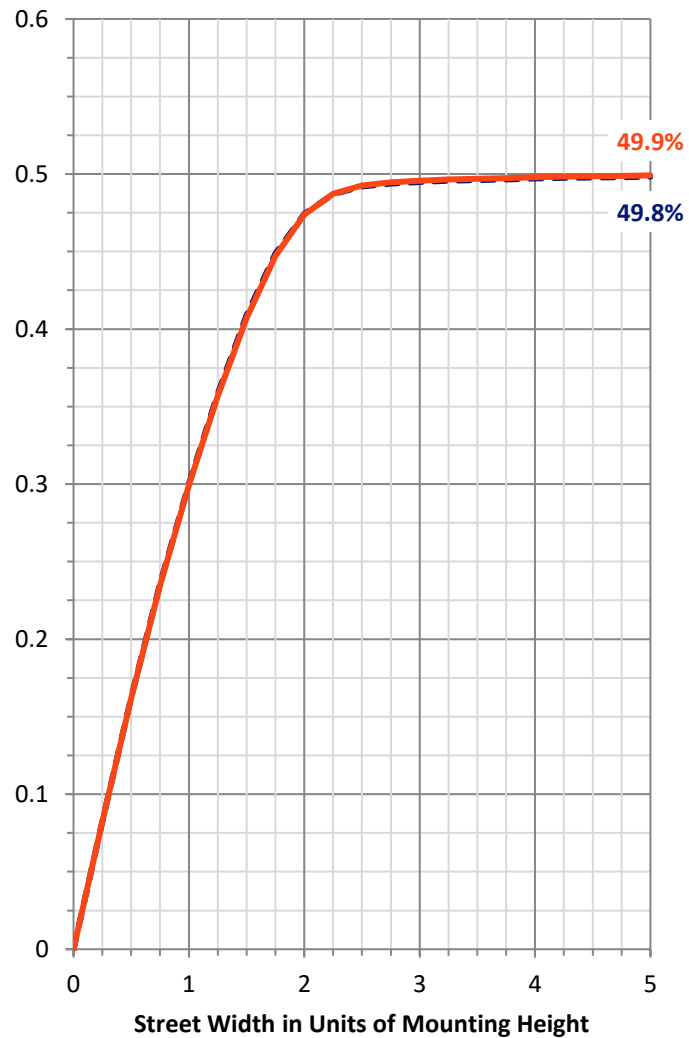
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4195.5	0.0	4195.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4195.5	0.0	4195.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	8391.0	0.0	8391.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.4	1.2
10°-20°	319.6	3.8
20°-30°	599.6	7.1
30°-40°	991.6	11.8
40°-50°	1535.8	18.3
50°-60°	2355.5	28.1
60°-70°	2197.9	26.2
70°-80°	255.8	3.0
80°-90°	35.9	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°	8391.0	100.0
0°-180°	8391.0	100.0

Coefficient of Utilization



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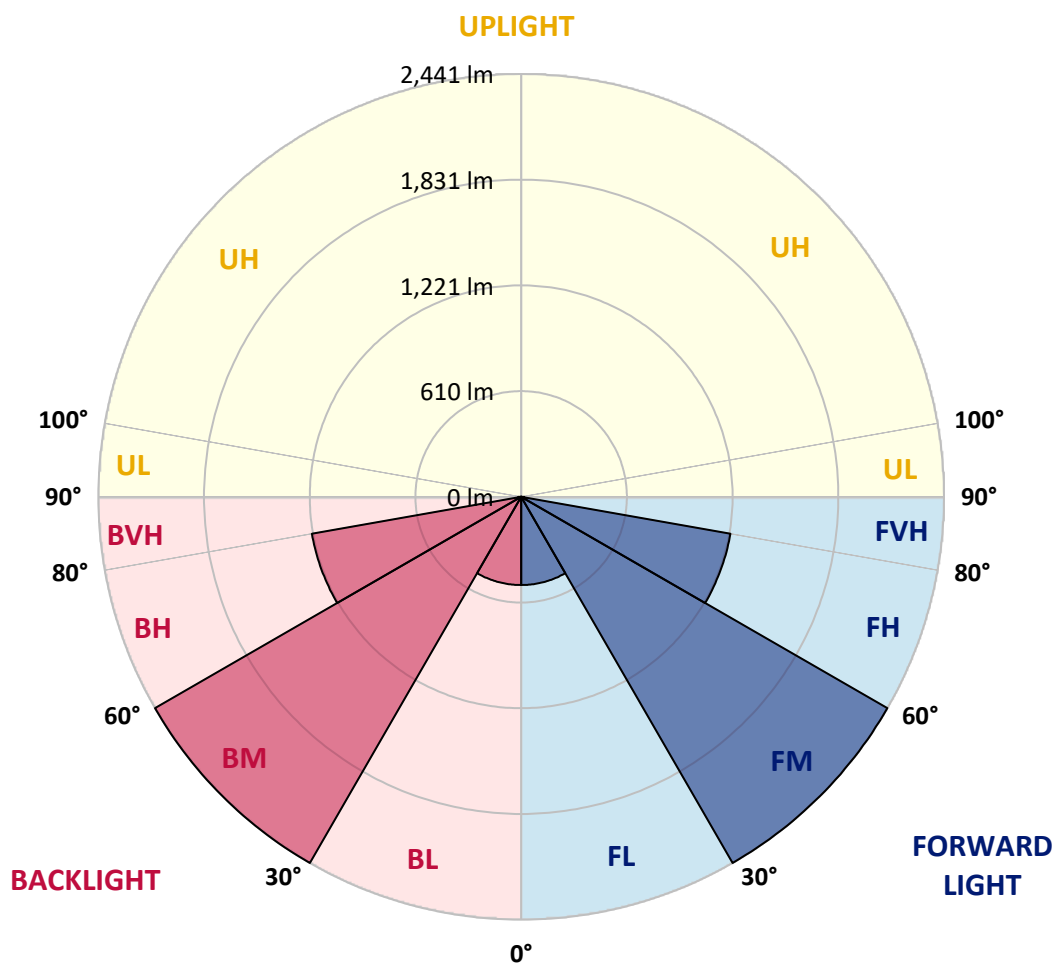
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	509.3	6.1			
FM	(30°-60°)	2441.4	29.1			
FH	(60°-80°)	1226.9	14.6			G1/1800
FVH	(80°-90°)	18.0	0.2			G1/100
BL	(0°-30°)	509.3	6.1	B2/1000		
BM	(30°-60°)	2441.4	29.1	B2/2500		
BH	(60°-80°)	1226.9	14.6	B3/2500		G1/1800
BVH	(80°-90°)	18.0	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1013.3	1013.3	1013.3	1013.3	1013.3	1013.3	1013.3	1013.3	1013.3	1013.3	1013.3
2.5°	1016.7	1016.1	1016.7	1016.9	1015.3	1016.1	1015.8	1017.2	1017.8	1017.2	1017.2
5°	1028.4	1027.5	1028.6	1030.0	1027.8	1028.4	1027.5	1029.2	1029.8	1028.6	1029.5
7.5°	1044.5	1044.8	1045.9	1048.4	1047.0	1048.1	1046.5	1046.7	1046.5	1044.8	1045.1
10°	1062.1	1062.3	1064.3	1067.6	1068.2	1068.2	1067.1	1066.2	1065.1	1064.0	1064.3
12.5°	1083.2	1084.6	1086.0	1090.2	1090.2	1092.4	1091.9	1089.6	1087.7	1086.0	1086.0
15°	1111.9	1111.6	1113.3	1117.5	1119.4	1123.1	1123.1	1120.0	1117.5	1115.8	1115.3
17.5°	1142.0	1142.8	1144.0	1149.0	1152.0	1156.2	1156.8	1154.3	1152.6	1150.4	1149.0
20°	1177.1	1178.5	1182.9	1184.9	1187.7	1191.6	1193.0	1192.4	1190.7	1189.6	1189.9
22.5°	1218.0	1221.7	1224.5	1227.2	1230.6	1233.4	1234.8	1236.7	1235.0	1234.2	1233.6
25°	1267.6	1270.1	1275.7	1280.7	1282.9	1283.8	1285.5	1288.2	1288.0	1286.0	1286.0
27.5°	1323.9	1328.6	1335.6	1342.8	1342.8	1340.0	1345.6	1350.3	1348.7	1346.2	1342.8
30°	1392.1	1396.6	1404.7	1414.7	1409.7	1407.7	1415.2	1423.9	1421.4	1417.2	1416.6
32.5°	1465.7	1469.8	1480.4	1491.3	1484.9	1482.1	1490.2	1502.7	1498.3	1489.9	1484.9
35°	1545.3	1549.5	1564.5	1577.6	1566.8	1562.0	1568.7	1582.4	1574.6	1559.0	1555.1
37.5°	1632.0	1634.2	1653.7	1667.0	1659.5	1647.0	1655.3	1665.4	1658.7	1639.8	1632.2
40°	1721.9	1730.0	1752.6	1768.2	1755.1	1735.3	1749.2	1763.1	1753.1	1728.9	1716.1
42.5°	1826.9	1833.1	1863.1	1877.1	1855.9	1828.0	1847.0	1865.9	1855.9	1832.5	1821.4
45°	1936.1	1945.6	1981.5	1995.4	1964.8	1929.4	1952.5	1985.7	1984.9	1951.2	1939.5
47.5°	2055.0	2064.5	2107.4	2125.8	2092.7	2045.3	2077.9	2124.7	2121.3	2084.3	2074.8
50°	2192.4	2202.4	2255.9	2279.0	2248.1	2192.9	2241.9	2283.2	2277.0	2231.4	2232.2
52.5°	2364.8	2364.2	2430.8	2470.9	2439.2	2390.4	2435.5	2475.6	2450.3	2387.1	2385.1
55°	2515.8	2524.9	2607.4	2683.4	2681.5	2662.8	2680.9	2682.6	2610.2	2526.1	2515.8
57.5°	2614.9	2632.5	2748.6	2886.2	2989.3	3014.1	2979.0	2872.6	2702.9	2568.4	2552.0
60°	2553.9	2580.7	2763.1	3043.6	3347.2	3492.9	3294.8	2964.8	2630.8	2443.3	2421.0
62.5°	2142.2	2187.4	2454.5	2967.5	3655.2	4081.1	3523.8	2816.8	2343.9	2085.7	2047.5
65°	1304.7	1352.3	1674.3	2442.5	3605.4	4546.8	3419.3	2338.0	1710.8	1389.6	1348.4
67.5°	434.8	448.7	638.4	1350.1	2833.6	4085.3	2838.3	1399.7	744.5	493.6	479.1
70°	170.2	171.6	202.5	391.3	1338.1	2806.0	1476.5	398.3	211.7	167.4	171.0
72.5°	125.1	125.6	134.3	163.5	348.7	1236.1	361.3	164.3	130.6	117.3	117.3
75°	100.6	100.6	106.7	119.2	156.3	283.6	158.5	117.8	102.2	93.6	92.5
77.5°	79.4	81.1	85.8	93.9	105.8	136.5	109.7	93.3	82.4	74.4	72.7
80°	59.0	60.7	68.5	72.4	76.0	94.7	81.1	73.0	65.2	55.7	54.0
82.5°	38.7	40.4	50.1	52.4	51.5	61.8	54.6	53.8	47.9	35.9	34.3
85°	25.3	25.9	33.4	34.8	32.0	28.1	34.8	36.8	33.4	23.4	22.6
87.5°	12.0	12.0	17.0	15.9	14.5	11.7	15.9	18.7	18.9	11.4	11.1
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)