

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: NEORAY

Report Number: Scaled from CRT2202031552-001

Luminaire Tested: **GUV-W-4**

Issue Date: 04/01/2022



Test Information

Test Method: LM-79-08
Report Number: Scaled from CRT2202031552-001
The data set was measured in RADIOMETRIC UNITS.
Test Lab: Intertek Cortland
Issue Date: 04/01/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEORAY
Catalog Number: GUV-W-4
Description: Define Upper Air 4' Wall Mount Fixture
Light Source: (1) 36W T8
Ballast/Driver: -

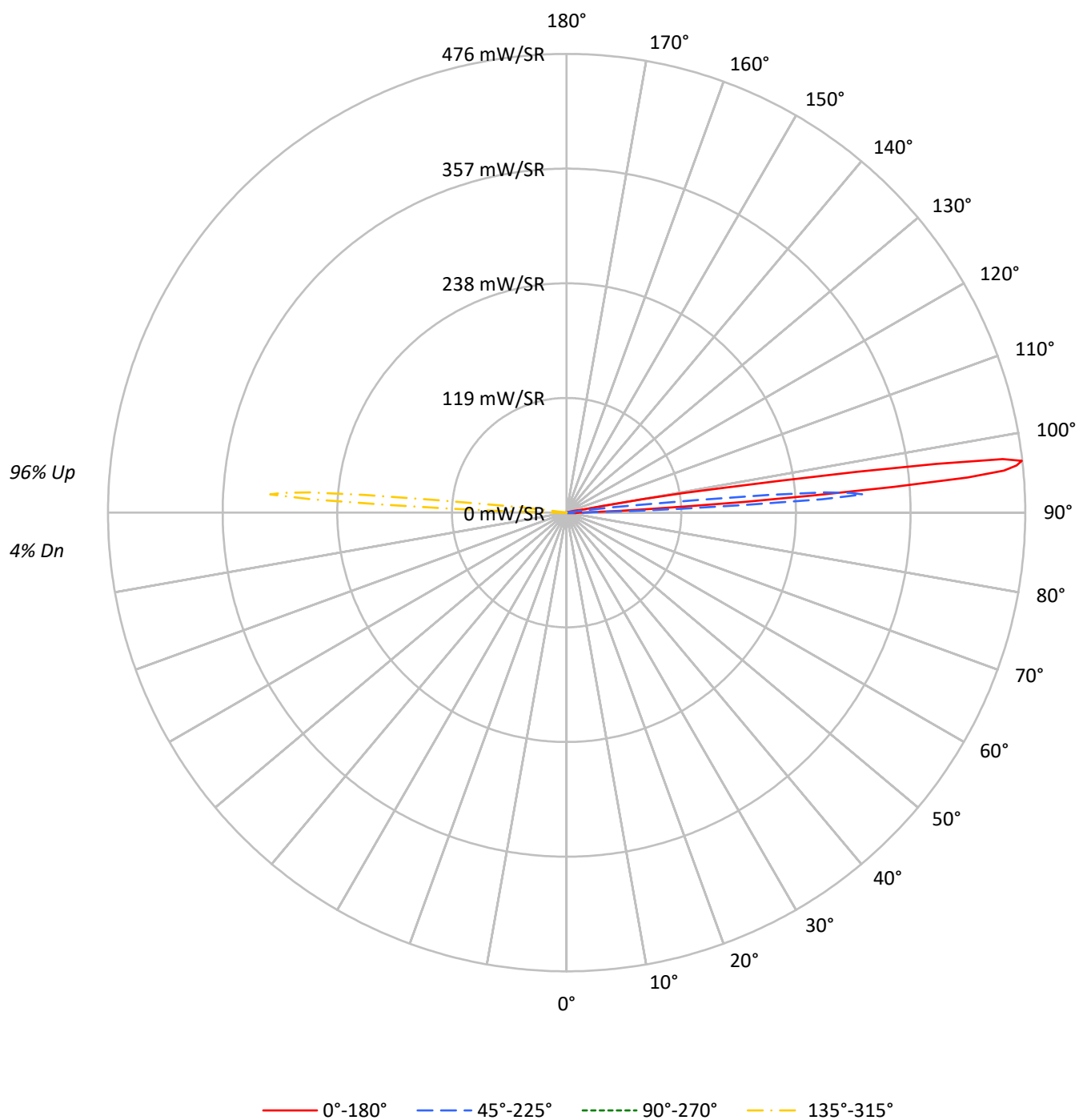
Summary

Output per Lamp: N/A
Luminaire UV Output: 62.4 mW
Efficiency: N/A
UV Efficacy: 1.7 UV mW/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 4' x L: 0.5' x H: 0')
CIE Type: Indirect

Input Watts (W): 36
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: 6.8 FT

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CATALOG NUMBER: GUV-W-4

Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	96	96	96	96	83	83	83	83	58	58	58	35	35	35	13	13	13
1	86	82	78	74	74	70	67	64	48	46	45	29	27	26	10	10	9
2	78	71	65	60	67	61	56	52	42	39	36	25	23	21	9	8	7
3	71	62	55	50	61	53	48	43	37	33	30	22	20	18	8	7	6
4	65	55	47	42	55	47	41	36	33	29	26	19	17	15	7	6	5
5	59	49	41	35	51	42	35	31	29	25	22	17	15	13	6	5	4
6	54	43	36	30	46	37	31	26	26	22	19	15	13	11	5	4	4
7	50	39	31	26	43	33	27	23	23	19	16	14	11	10	5	4	3
8	46	35	28	23	40	30	24	20	21	17	14	12	10	8	4	4	3
9	43	31	25	20	37	27	21	17	19	15	12	11	9	7	4	3	2
10	40	29	22	17	34	25	19	15	17	13	11	10	8	6	4	3	2

AVERAGE LUMINANCE (mW/SR/sqm):

	0°	90°	180°	270°
0°	0	0	0	0
5°	0	0	0	0
10°	0	0	0	0
15°	0	0	0	0
20°	0	0	0	0
25°	0	0	0	0
30°	0	0	0	0
35°	0	0	0	0
40°	0	0	0	0
45°	0	0	0	0
50°	0	0	0	0
55°	0	0	0	0
60°	0	0	0	0
65°	5	0	0	0
70°	13	0	0	0
75°	40	0	0	0
80°	93	0	0	0
85°	321	0	0	0



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ZONAL OUTPUT:

Zone	Lumens	% Fixture
0°-10°	0.0	0.0
10°-20°	0.0	0.0
20°-30°	0.0	0.0
30°-40°	0.0	0.0
40°-50°	0.0	0.0
50°-60°	0.0	0.0
60°-70°	0.1	0.1
70°-80°	0.4	0.6
80°-90°	1.7	2.8
90°-100°	59.2	94.7
100°-110°	1.1	1.7
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°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	2.2	3.5
90°-120°	60.2	96.5
90°-150°	60.2	96.5
90°-180°	60.0	96.1
0°-180°	62.4	100.0

INTENSITY DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	0	0	0	0	0	
5°	0	0	0	0	0	0
15°	0	0	0	0	0	0
25°	0	0	0	0	0	0
35°	0	0	0	0	0	0
45°	0	0	0	0	0	0
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	2	0	0	0	2	2
85°	5	0	0	0	5	4
90°	13	0	0	0	13	13
95°	418	0	0	0	418	244
105°	1	0	0	0	1	9
115°	0	0	0	0	0	0
125°	0	0	0	0	0	0
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



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INTENSITY DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	3.0	3.0	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	5.2	4.5	3.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	12.8	13.5	12.0	8.2	3.8	1.6	0.0	0.0	0.0	0.0	0.0
90.5°	16.5	18.0	16.5	13.5	10.5	11.2	0.0	0.0	0.0	0.0	0.0
91°	22.5	25.5	27.0	30.8	39.0	36.0	0.0	0.0	0.0	0.0	0.0
91.5°	33.8	43.5	53.3	66.8	88.5	35.2	0.0	0.0	0.0	0.0	0.0
92°	56.2	72.9	90.0	119.2	150.0	12.0	0.0	0.0	0.0	0.0	0.0
92.5°	86.2	109.5	141.1	186.0	180.8	0.8	0.0	0.0	0.0	0.0	0.0
93°	127.5	161.2	207.0	265.5	156.8	0.0	0.0	0.0	0.0	0.0	0.0
93.5°	186.0	228.8	285.0	308.2	110.2	0.0	0.0	0.0	0.0	0.0	0.0
94°	259.5	308.2	366.0	295.5	53.3	0.0	0.0	0.0	0.0	0.0	0.0
94.5°	339.8	391.5	395.3	267.8	23.3	0.0	0.0	0.0	0.0	0.0	0.0
95°	417.8	440.2	386.9	210.8	8.2	0.0	0.0	0.0	0.0	0.0	0.0
95.5°	456.0	445.5	369.0	136.5	2.2	0.0	0.0	0.0	0.0	0.0	0.0
96°	469.5	443.2	325.5	75.8	1.6	0.0	0.0	0.0	0.0	0.0	0.0
96.5°	475.5	425.1	249.8	48.8	1.6	0.0	0.0	0.0	0.0	0.0	0.0
97°	456.0	363.8	168.0	24.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	386.9	282.8	111.0	9.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0
98°	303.8	199.5	78.1	6.0	0.8	0.8	0.0	0.0	0.0	0.0	0.0
98.5°	223.5	143.2	47.2	4.5	0.8	0.8	0.0	0.0	0.0	0.0	0.0
99°	165.9	105.8	20.2	4.5	1.6	0.8	0.0	0.0	0.0	0.0	0.0
99.5°	122.2	68.2	12.0	3.8	1.6	0.8	0.0	0.0	0.0	0.0	0.0
100°	79.5	34.5	9.0	3.0	1.6	0.8	0.0	0.0	0.0	0.0	0.0
100.5°	39.7	17.2	7.5	2.2	0.8	0.8	0.0	0.0	0.0	0.0	0.0
101°	18.8	12.0	6.8	1.6	1.6	0.8	0.0	0.0	0.0	0.0	0.0
101.5°	12.8	9.9	5.2	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0
102°	11.2	9.0	4.5	1.6	0.8	0.8	0.0	0.0	0.0	0.0	0.0
102.5°	9.9	7.5	3.0	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0
103°	8.2	6.0	1.6	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0
103.5°	6.8	4.5	1.6	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0
104°	5.2	2.2	0.8	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0
104.5°	3.0	0.8	0.8	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.8	0.0	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	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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INTENSITY DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	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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INTENSITY DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.8	8.2
90.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.2	10.5	13.5
91°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36.0	39.0	30.8
91.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.2	88.5	66.8
92°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0	150.0	119.2
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	180.8	186.0
93°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	156.8	265.5
93.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	110.2	308.2
94°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	53.3	295.5
94.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.3	267.8
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2	210.8
95.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	136.5
96°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	75.8
96.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	48.8
97°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	24.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	9.0
98°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	6.0
98.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	4.5
99°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	4.5
99.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	3.8
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	3.0
100.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	2.2
101°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	1.6
101.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6
102°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	1.6
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6
103°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6
103.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6
104°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6
104.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	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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INTENSITY DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	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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INTENSITY DISTRIBUTION (continued):

	330°	345°	360°
0°	0.0	0.0	0.0
10°	0.0	0.0	0.0
20°	0.0	0.0	0.0
30°	0.0	0.0	0.0
40°	0.0	0.0	0.0
50°	0.0	0.0	0.0
60°	0.0	0.0	0.0
70°	0.8	0.8	0.8
80°	1.6	3.0	3.0
85°	3.0	4.5	5.2
90°	12.0	13.5	12.8
90.5°	16.5	18.0	16.5
91°	27.0	25.5	22.5
91.5°	53.3	43.5	33.8
92°	90.0	72.9	56.2
92.5°	141.1	109.5	86.2
93°	207.0	161.2	127.5
93.5°	285.0	228.8	186.0
94°	366.0	308.2	259.5
94.5°	395.3	391.5	339.8
95°	386.9	440.2	417.8
95.5°	369.0	445.5	456.0
96°	325.5	443.2	469.5
96.5°	249.8	425.1	475.5
97°	168.0	363.8	456.0
97.5°	111.0	282.8	386.9
98°	78.1	199.5	303.8
98.5°	47.2	143.2	223.5
99°	20.2	105.8	165.9
99.5°	12.0	68.2	122.2
100°	9.0	34.5	79.5
100.5°	7.5	17.2	39.7
101°	6.8	12.0	18.8
101.5°	5.2	9.9	12.8
102°	4.5	9.0	11.2
102.5°	3.0	7.5	9.9
103°	1.6	6.0	8.2
103.5°	1.6	4.5	6.8
104°	0.8	2.2	5.2
104.5°	0.8	0.8	3.0
105°	0.8	0.0	0.8
110°	0.0	0.0	0.0
120°	0.0	0.0	0.0
130°	0.0	0.0	0.0
140°	0.0	0.0	0.0



TEST NUMBER: Scaled from CRT2202031552-001
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INTENSITY DISTRIBUTION (continued):

	330°	345°	360°
150°	0.0	0.0	0.0
160°	0.0	0.0	0.0
170°	0.0	0.0	0.0
180°	0.0	0.0	0.0

(END OF REPORT)