

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 CRT2202031552-002

Luminaire Tested: **GUV-P-8**

Issue Date: 04/01/2022



Test Information

Test Method: LM-79-08
Report Number: Scaled from CRT2202031552-002
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-P-8
Description: Define Upper Air 8' Pendant Fixture
Light Source: (2) 36W T8
Ballast/Driver: -

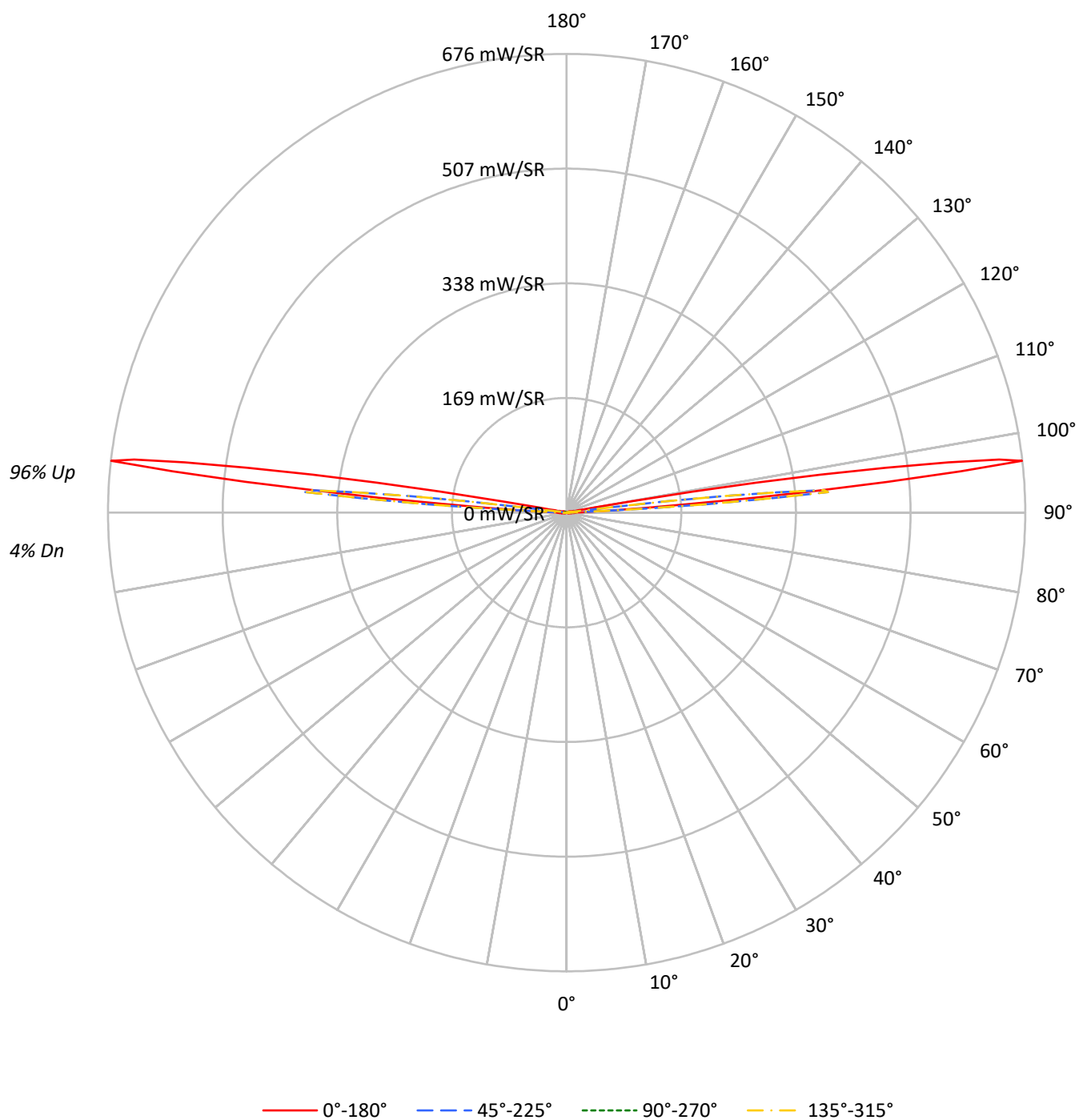
Summary

Output per Lamp: N/A
Luminaire UV Output: 149.7 mW
Efficiency: N/A
UV Efficacy: 3.1 UV mW/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 8' x L: 0.5' x H: 0')
CIE Type: Indirect

Input Watts (W): 48
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

TEST NUMBER: Scaled from CRT2202031552-002
CATALOG NUMBER: GUV-P-8

Intensity Polar Plot





TEST NUMBER: Scaled from CRT2202031552-002
CATALOG NUMBER: GUV-P-8

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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

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°	9	0	9	0
70°	22	0	22	0
75°	44	0	44	0
80°	87	0	87	0
85°	256	0	256	0



TEST NUMBER: Scaled from CRT2202031552-002
CATALOG NUMBER: GUV-P-8

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°	0.6	0.4
70°-80°	1.9	1.2
80°-90°	3.9	2.6
90°-100°	133.5	89.2
100°-110°	6.0	4.0
110°-120°	2.7	1.8
120°-130°	0.9	0.6
130°-140°	0.2	0.1
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°	6.3	4.2
90°-120°	142.2	95.0
90°-150°	143.4	95.8
90°-180°	143.0	95.6
0°-180°	149.7	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°	1	0	1	0	1	1
75°	4	0	4	0	4	4
85°	8	0	8	0	8	6
90°	14	0	14	0	14	9
95°	367	0	367	0	367	291
105°	8	0	8	0	8	14
115°	4	0	4	0	4	4
125°	1	0	1	0	1	1
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	



TEST NUMBER: Scaled from CRT2202031552-002
CATALOG NUMBER: GUV-P-8

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°	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
80°	5.6	5.6	2.8	2.8	0.0	0.0	0.0	0.0	0.0	2.8	2.8
85°	8.3	5.6	5.6	2.8	0.0	0.0	0.0	0.0	0.0	2.8	5.6
90°	13.9	11.1	8.3	5.6	2.8	0.0	0.0	0.0	2.8	5.6	8.3
90.5°	13.9	13.9	11.1	5.6	2.8	0.0	0.0	0.0	2.8	5.6	11.1
91°	16.7	16.7	13.9	8.3	5.6	5.6	0.0	5.6	5.6	8.3	13.9
91.5°	22.2	19.5	16.7	11.1	11.1	33.4	0.0	33.4	11.1	11.1	16.7
92°	27.8	27.8	22.2	22.2	44.5	36.1	0.0	36.1	44.5	22.2	22.2
92.5°	38.9	36.1	41.7	58.4	108.4	11.1	0.0	11.1	108.4	58.4	41.7
93°	69.5	72.3	86.2	119.5	183.5	2.8	0.0	2.8	183.5	119.5	86.2
93.5°	119.5	122.3	147.3	208.5	211.3	0.0	0.0	0.0	211.3	208.5	147.3
94°	183.5	191.8	236.3	303.0	158.5	0.0	0.0	0.0	158.5	303.0	236.3
94.5°	278.0	286.3	333.6	386.4	94.5	2.8	0.0	2.8	94.5	386.4	333.6
95°	367.0	386.4	436.5	380.9	30.6	2.8	0.0	2.8	30.6	380.9	436.5
95.5°	475.4	494.8	528.2	311.4	8.3	2.8	0.0	2.8	8.3	311.4	528.2
96°	583.8	603.3	517.1	230.7	2.8	2.8	0.0	2.8	2.8	230.7	517.1
96.5°	675.5	622.7	444.8	147.3	2.8	2.8	2.8	2.8	2.8	147.3	444.8
97°	642.2	558.8	358.6	63.9	2.8	2.8	0.0	2.8	2.8	63.9	358.6
97.5°	567.1	475.4	269.7	22.2	2.8	2.8	2.8	2.8	2.8	22.2	269.7
98°	475.4	383.6	180.7	11.1	2.8	2.8	0.0	2.8	2.8	11.1	180.7
98.5°	378.1	289.1	86.2	8.3	2.8	2.8	2.8	2.8	2.8	8.3	86.2
99°	283.6	197.4	36.1	5.6	2.8	2.8	0.0	2.8	2.8	5.6	36.1
99.5°	189.0	11.1	22.2	5.6	2.8	2.8	2.8	2.8	2.8	5.6	22.2
100°	94.5	44.5	13.9	5.6	2.8	2.8	0.0	2.8	2.8	5.6	13.9
100.5°	41.7	27.8	11.1	5.6	2.8	2.8	0.0	2.8	2.8	5.6	11.1
101°	25.0	16.7	8.3	5.6	2.8	2.8	0.0	2.8	2.8	5.6	8.3
101.5°	16.7	13.9	8.3	5.6	2.8	2.8	0.0	2.8	2.8	5.6	8.3
102°	13.9	11.1	8.3	5.6	2.8	2.8	0.0	2.8	2.8	5.6	8.3
102.5°	11.1	11.1	8.3	5.6	2.8	2.8	0.0	2.8	2.8	5.6	8.3
103°	11.1	8.3	5.6	2.8	2.8	2.8	0.0	2.8	2.8	2.8	5.6
103.5°	11.1	8.3	5.6	2.8	2.8	2.8	0.0	2.8	2.8	2.8	5.6
104°	8.3	8.3	5.6	2.8	2.8	5.6	0.0	5.6	2.8	2.8	5.6
104.5°	8.3	8.3	5.6	2.8	2.8	5.6	0.0	5.6	2.8	2.8	5.6
105°	8.3	8.3	5.6	2.8	2.8	5.6	0.0	5.6	2.8	2.8	5.6
110°	5.6	5.6	2.8	2.8	2.8	5.6	0.0	5.6	2.8	2.8	2.8
120°	2.8	2.8	2.8	0.0	2.8	0.0	0.0	0.0	2.8	0.0	2.8
130°	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	2.8	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



TEST NUMBER: Scaled from CRT2202031552-002
CATALOG NUMBER: GUV-P-8

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



TEST NUMBER: Scaled from CRT2202031552-002
CATALOG NUMBER: GUV-P-8

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°	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	5.6	5.6	5.6	2.8	2.8	0.0	0.0	0.0	0.0	0.0	2.8
85°	5.6	8.3	5.6	5.6	2.8	0.0	0.0	0.0	0.0	0.0	2.8
90°	11.1	13.9	11.1	8.3	5.6	2.8	0.0	0.0	0.0	2.8	5.6
90.5°	13.9	13.9	13.9	11.1	5.6	2.8	0.0	0.0	0.0	2.8	5.6
91°	16.7	16.7	16.7	13.9	8.3	5.6	5.6	0.0	5.6	5.6	8.3
91.5°	19.5	22.2	19.5	16.7	11.1	11.1	33.4	0.0	33.4	11.1	11.1
92°	27.8	27.8	27.8	22.2	22.2	44.5	36.1	0.0	36.1	44.5	22.2
92.5°	36.1	38.9	36.1	41.7	58.4	108.4	11.1	0.0	11.1	108.4	58.4
93°	72.3	69.5	72.3	86.2	119.5	183.5	2.8	0.0	2.8	183.5	119.5
93.5°	122.3	119.5	122.3	147.3	208.5	211.3	0.0	0.0	0.0	211.3	208.5
94°	191.8	183.5	191.8	236.3	303.0	158.5	0.0	0.0	0.0	158.5	303.0
94.5°	286.3	278.0	286.3	333.6	386.4	94.5	2.8	0.0	2.8	94.5	386.4
95°	386.4	367.0	386.4	436.5	380.9	30.6	2.8	0.0	2.8	30.6	380.9
95.5°	494.8	475.4	494.8	528.2	311.4	8.3	2.8	0.0	2.8	8.3	311.4
96°	603.3	583.8	603.3	517.1	230.7	2.8	2.8	0.0	2.8	2.8	230.7
96.5°	622.7	675.5	622.7	444.8	147.3	2.8	2.8	2.8	2.8	2.8	147.3
97°	558.8	642.2	558.8	358.6	63.9	2.8	2.8	0.0	2.8	2.8	63.9
97.5°	475.4	567.1	475.4	269.7	22.2	2.8	2.8	2.8	2.8	2.8	22.2
98°	383.6	475.4	383.6	180.7	11.1	2.8	2.8	0.0	2.8	2.8	11.1
98.5°	289.1	378.1	289.1	86.2	8.3	2.8	2.8	2.8	2.8	2.8	8.3
99°	197.4	283.6	197.4	36.1	5.6	2.8	2.8	0.0	2.8	2.8	5.6
99.5°	11.1	189.0	11.1	22.2	5.6	2.8	2.8	2.8	2.8	2.8	5.6
100°	44.5	94.5	44.5	13.9	5.6	2.8	2.8	0.0	2.8	2.8	5.6
100.5°	27.8	41.7	27.8	11.1	5.6	2.8	2.8	0.0	2.8	2.8	5.6
101°	16.7	25.0	16.7	8.3	5.6	2.8	2.8	0.0	2.8	2.8	5.6
101.5°	13.9	16.7	13.9	8.3	5.6	2.8	2.8	0.0	2.8	2.8	5.6
102°	11.1	13.9	11.1	8.3	5.6	2.8	2.8	0.0	2.8	2.8	5.6
102.5°	11.1	11.1	11.1	8.3	5.6	2.8	2.8	0.0	2.8	2.8	5.6
103°	8.3	11.1	8.3	5.6	2.8	2.8	2.8	0.0	2.8	2.8	2.8
103.5°	8.3	11.1	8.3	5.6	2.8	2.8	2.8	0.0	2.8	2.8	2.8
104°	8.3	8.3	8.3	5.6	2.8	2.8	5.6	0.0	5.6	2.8	2.8
104.5°	8.3	8.3	8.3	5.6	2.8	2.8	5.6	0.0	5.6	2.8	2.8
105°	8.3	8.3	8.3	5.6	2.8	2.8	5.6	0.0	5.6	2.8	2.8
110°	5.6	5.6	5.6	2.8	2.8	2.8	5.6	0.0	5.6	2.8	2.8
120°	2.8	2.8	2.8	2.8	0.0	2.8	0.0	0.0	0.0	2.8	0.0
130°	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	2.8	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



TEST NUMBER: Scaled from CRT2202031552-002
CATALOG NUMBER: GUV-P-8

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



TEST NUMBER: Scaled from CRT2202031552-002
CATALOG NUMBER: GUV-P-8

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°	2.8	2.8	2.8
80°	2.8	5.6	5.6
85°	5.6	5.6	8.3
90°	8.3	11.1	13.9
90.5°	11.1	13.9	13.9
91°	13.9	16.7	16.7
91.5°	16.7	19.5	22.2
92°	22.2	27.8	27.8
92.5°	41.7	36.1	38.9
93°	86.2	72.3	69.5
93.5°	147.3	122.3	119.5
94°	236.3	191.8	183.5
94.5°	333.6	286.3	278.0
95°	436.5	386.4	367.0
95.5°	528.2	494.8	475.4
96°	517.1	603.3	583.8
96.5°	444.8	622.7	675.5
97°	358.6	558.8	642.2
97.5°	269.7	475.4	567.1
98°	180.7	383.6	475.4
98.5°	86.2	289.1	378.1
99°	36.1	197.4	283.6
99.5°	22.2	11.1	189.0
100°	13.9	44.5	94.5
100.5°	11.1	27.8	41.7
101°	8.3	16.7	25.0
101.5°	8.3	13.9	16.7
102°	8.3	11.1	13.9
102.5°	8.3	11.1	11.1
103°	5.6	8.3	11.1
103.5°	5.6	8.3	11.1
104°	5.6	8.3	8.3
104.5°	5.6	8.3	8.3
105°	5.6	8.3	8.3
110°	2.8	5.6	5.6
120°	2.8	2.8	2.8
130°	0.0	0.0	0.0
140°	0.0	0.0	0.0



TEST NUMBER: Scaled from CRT2202031552-002
CATALOG NUMBER: GUV-P-8

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)