

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-4**

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-4
Description: Define Upper Air 4' Pendant Fixture
Light Source: (1) 36W T8
Ballast/Driver: -

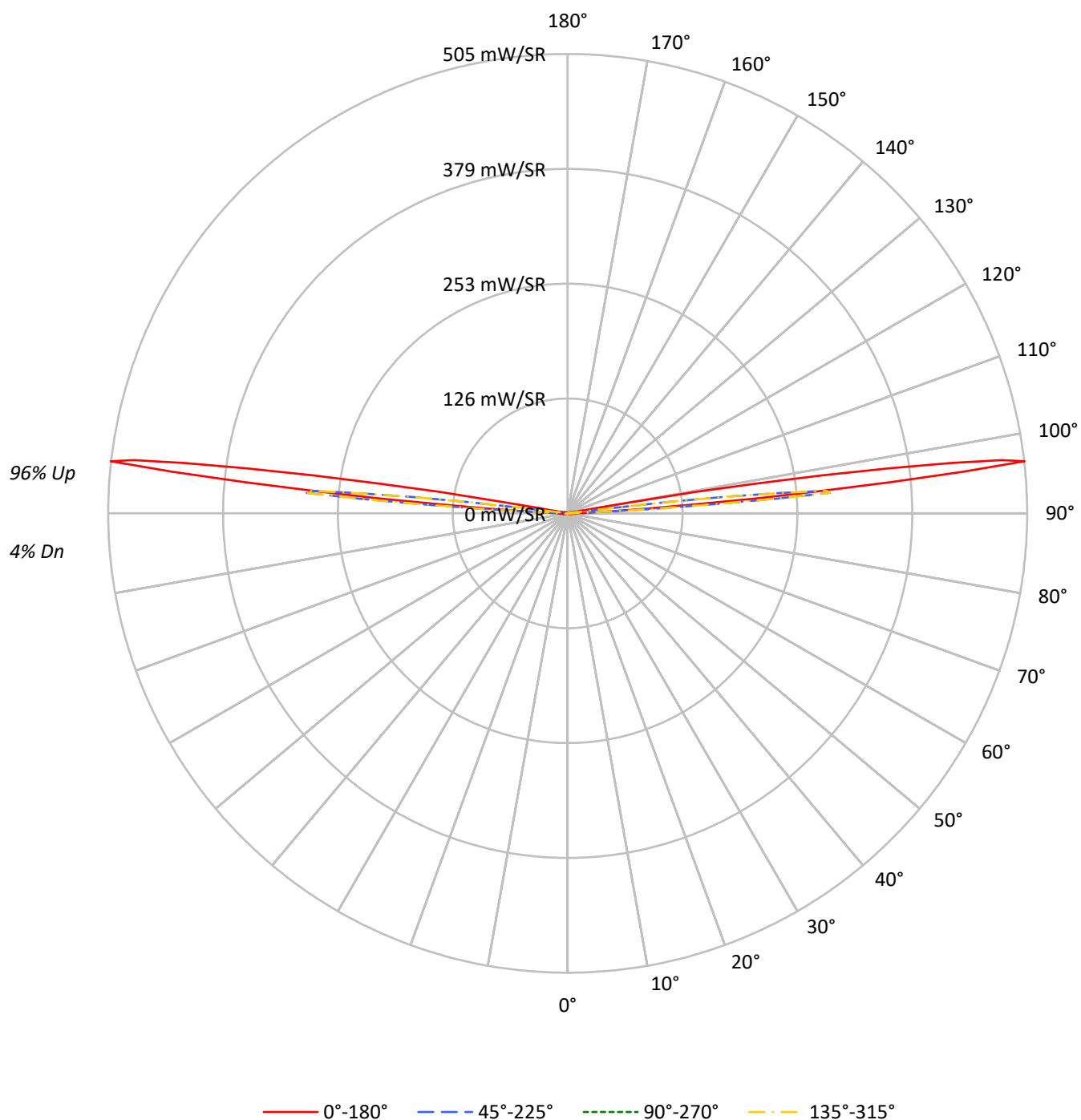
Summary

Output per Lamp: N/A
Luminaire UV Output: 112.0 mW
Efficiency: N/A
UV Efficacy: 3.1 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

TEST NUMBER: Scaled from CRT2202031552-002
CATALOG NUMBER: GUV-P-4

Intensity Polar Plot





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CATALOG NUMBER: GUV-P-4

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	14	14	14
1	86	82	78	74	74	70	67	64	49	47	45	29	28	27	11	10	10
2	78	71	65	60	67	61	56	52	42	39	36	25	23	22	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	41	55	47	41	36	33	29	25	19	17	15	7	6	5
5	59	48	41	35	51	42	35	31	29	25	22	17	15	13	6	5	4
6	54	43	35	30	46	37	31	26	26	22	19	15	13	11	5	5	4
7	50	39	31	26	43	33	27	23	23	19	16	14	11	10	5	4	3
8	46	35	27	22	40	30	24	20	21	17	14	12	10	8	5	4	3
9	43	31	24	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°	13	0	13	0
70°	33	0	33	0
75°	66	0	66	0
80°	130	0	130	0
85°	383	0	383	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°	0.4	0.4
70°-80°	1.4	1.2
80°-90°	2.9	2.6
90°-100°	99.9	89.2
100°-110°	4.5	4.0
110°-120°	2.0	1.8
120°-130°	0.7	0.6
130°-140°	0.1	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°	4.7	4.2
90°-120°	106.4	95.0
90°-150°	107.3	95.8
90°-180°	107.0	95.5
0°-180°	112.0	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°	3	0	3	0	3	3
85°	6	0	6	0	6	5
90°	10	0	10	0	10	7
95°	275	0	275	0	275	218
105°	6	0	6	0	6	11
115°	3	0	3	0	3	3
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
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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°	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1
80°	4.2	4.2	2.1	2.1	0.0	0.0	0.0	0.0	0.0	2.1	2.1
85°	6.2	4.2	4.2	2.1	0.0	0.0	0.0	0.0	0.0	2.1	4.2
90°	10.4	8.3	6.2	4.2	2.1	0.0	0.0	0.0	2.1	4.2	6.2
90.5°	10.4	10.4	8.3	4.2	2.1	0.0	0.0	0.0	2.1	4.2	8.3
91°	12.5	12.5	10.4	6.2	4.2	4.2	0.0	4.2	4.2	6.2	10.4
91.5°	16.6	14.6	12.5	8.3	8.3	25.0	0.0	25.0	8.3	8.3	12.5
92°	20.8	20.8	16.6	16.6	33.3	27.0	0.0	27.0	33.3	16.6	16.6
92.5°	29.1	27.0	31.2	43.7	81.1	8.3	0.0	8.3	81.1	43.7	31.2
93°	52.0	54.1	64.5	89.4	137.3	2.1	0.0	2.1	137.3	89.4	64.5
93.5°	89.4	91.5	110.2	156.0	158.1	0.0	0.0	0.0	158.1	156.0	110.2
94°	137.3	143.5	176.8	226.7	118.6	0.0	0.0	0.0	118.6	226.7	176.8
94.5°	208.0	214.2	249.6	289.1	70.7	2.1	0.0	2.1	70.7	289.1	249.6
95°	274.6	289.1	326.6	285.0	22.9	2.1	0.0	2.1	22.9	285.0	326.6
95.5°	355.7	370.2	395.2	233.0	6.2	2.1	0.0	2.1	6.2	233.0	395.2
96°	436.8	451.4	386.9	172.6	2.1	2.1	0.0	2.1	2.1	172.6	386.9
96.5°	505.4	465.9	332.8	110.2	2.1	2.1	2.1	2.1	2.1	110.2	332.8
97°	480.5	418.1	268.3	47.8	2.1	2.1	0.0	2.1	2.1	47.8	268.3
97.5°	424.3	355.7	201.8	16.6	2.1	2.1	2.1	2.1	2.1	16.6	201.8
98°	355.7	287.0	135.2	8.3	2.1	2.1	0.0	2.1	2.1	8.3	135.2
98.5°	282.9	216.3	64.5	6.2	2.1	2.1	2.1	2.1	2.1	6.2	64.5
99°	212.2	147.7	27.0	4.2	2.1	2.1	0.0	2.1	2.1	4.2	27.0
99.5°	141.4	8.3	16.6	4.2	2.1	2.1	2.1	2.1	2.1	4.2	16.6
100°	70.7	33.3	10.4	4.2	2.1	2.1	0.0	2.1	2.1	4.2	10.4
100.5°	31.2	20.8	8.3	4.2	2.1	2.1	0.0	2.1	2.1	4.2	8.3
101°	18.7	12.5	6.2	4.2	2.1	2.1	0.0	2.1	2.1	4.2	6.2
101.5°	12.5	10.4	6.2	4.2	2.1	2.1	0.0	2.1	2.1	4.2	6.2
102°	10.4	8.3	6.2	4.2	2.1	2.1	0.0	2.1	2.1	4.2	6.2
102.5°	8.3	8.3	6.2	4.2	2.1	2.1	0.0	2.1	2.1	4.2	6.2
103°	8.3	6.2	4.2	2.1	2.1	2.1	0.0	2.1	2.1	2.1	4.2
103.5°	8.3	6.2	4.2	2.1	2.1	2.1	0.0	2.1	2.1	2.1	4.2
104°	6.2	6.2	4.2	2.1	2.1	4.2	0.0	4.2	2.1	2.1	4.2
104.5°	6.2	6.2	4.2	2.1	2.1	4.2	0.0	4.2	2.1	2.1	4.2
105°	6.2	6.2	4.2	2.1	2.1	4.2	0.0	4.2	2.1	2.1	4.2
110°	4.2	4.2	2.1	2.1	2.1	4.2	0.0	4.2	2.1	2.1	2.1
120°	2.1	2.1	2.1	0.0	2.1	0.0	0.0	0.0	2.1	0.0	2.1
130°	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	2.1	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°	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	4.2	4.2	4.2	2.1	2.1	0.0	0.0	0.0	0.0	0.0	2.1
85°	4.2	6.2	4.2	4.2	2.1	0.0	0.0	0.0	0.0	0.0	2.1
90°	8.3	10.4	8.3	6.2	4.2	2.1	0.0	0.0	0.0	2.1	4.2
90.5°	10.4	10.4	10.4	8.3	4.2	2.1	0.0	0.0	0.0	2.1	4.2
91°	12.5	12.5	12.5	10.4	6.2	4.2	4.2	0.0	4.2	4.2	6.2
91.5°	14.6	16.6	14.6	12.5	8.3	8.3	25.0	0.0	25.0	8.3	8.3
92°	20.8	20.8	20.8	16.6	16.6	33.3	27.0	0.0	27.0	33.3	16.6
92.5°	27.0	29.1	27.0	31.2	43.7	81.1	8.3	0.0	8.3	81.1	43.7
93°	54.1	52.0	54.1	64.5	89.4	137.3	2.1	0.0	2.1	137.3	89.4
93.5°	91.5	89.4	91.5	110.2	156.0	158.1	0.0	0.0	0.0	158.1	156.0
94°	143.5	137.3	143.5	176.8	226.7	118.6	0.0	0.0	0.0	118.6	226.7
94.5°	214.2	208.0	214.2	249.6	289.1	70.7	2.1	0.0	2.1	70.7	289.1
95°	289.1	274.6	289.1	326.6	285.0	22.9	2.1	0.0	2.1	22.9	285.0
95.5°	370.2	355.7	370.2	395.2	233.0	6.2	2.1	0.0	2.1	6.2	233.0
96°	451.4	436.8	451.4	386.9	172.6	2.1	2.1	0.0	2.1	2.1	172.6
96.5°	465.9	505.4	465.9	332.8	110.2	2.1	2.1	2.1	2.1	2.1	110.2
97°	418.1	480.5	418.1	268.3	47.8	2.1	2.1	0.0	2.1	2.1	47.8
97.5°	355.7	424.3	355.7	201.8	16.6	2.1	2.1	2.1	2.1	2.1	16.6
98°	287.0	355.7	287.0	135.2	8.3	2.1	2.1	0.0	2.1	2.1	8.3
98.5°	216.3	282.9	216.3	64.5	6.2	2.1	2.1	2.1	2.1	2.1	6.2
99°	147.7	212.2	147.7	27.0	4.2	2.1	2.1	0.0	2.1	2.1	4.2
99.5°	8.3	141.4	8.3	16.6	4.2	2.1	2.1	2.1	2.1	2.1	4.2
100°	33.3	70.7	33.3	10.4	4.2	2.1	2.1	0.0	2.1	2.1	4.2
100.5°	20.8	31.2	20.8	8.3	4.2	2.1	2.1	0.0	2.1	2.1	4.2
101°	12.5	18.7	12.5	6.2	4.2	2.1	2.1	0.0	2.1	2.1	4.2
101.5°	10.4	12.5	10.4	6.2	4.2	2.1	2.1	0.0	2.1	2.1	4.2
102°	8.3	10.4	8.3	6.2	4.2	2.1	2.1	0.0	2.1	2.1	4.2
102.5°	8.3	8.3	8.3	6.2	4.2	2.1	2.1	0.0	2.1	2.1	4.2
103°	6.2	8.3	6.2	4.2	2.1	2.1	2.1	0.0	2.1	2.1	2.1
103.5°	6.2	8.3	6.2	4.2	2.1	2.1	2.1	0.0	2.1	2.1	2.1
104°	6.2	6.2	6.2	4.2	2.1	2.1	4.2	0.0	4.2	2.1	2.1
104.5°	6.2	6.2	6.2	4.2	2.1	2.1	4.2	0.0	4.2	2.1	2.1
105°	6.2	6.2	6.2	4.2	2.1	2.1	4.2	0.0	4.2	2.1	2.1
110°	4.2	4.2	4.2	2.1	2.1	2.1	4.2	0.0	4.2	2.1	2.1
120°	2.1	2.1	2.1	2.1	0.0	2.1	0.0	0.0	0.0	2.1	0.0
130°	0.0	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	2.1	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°	2.1	2.1	2.1
80°	2.1	4.2	4.2
85°	4.2	4.2	6.2
90°	6.2	8.3	10.4
90.5°	8.3	10.4	10.4
91°	10.4	12.5	12.5
91.5°	12.5	14.6	16.6
92°	16.6	20.8	20.8
92.5°	31.2	27.0	29.1
93°	64.5	54.1	52.0
93.5°	110.2	91.5	89.4
94°	176.8	143.5	137.3
94.5°	249.6	214.2	208.0
95°	326.6	289.1	274.6
95.5°	395.2	370.2	355.7
96°	386.9	451.4	436.8
96.5°	332.8	465.9	505.4
97°	268.3	418.1	480.5
97.5°	201.8	355.7	424.3
98°	135.2	287.0	355.7
98.5°	64.5	216.3	282.9
99°	27.0	147.7	212.2
99.5°	16.6	8.3	141.4
100°	10.4	33.3	70.7
100.5°	8.3	20.8	31.2
101°	6.2	12.5	18.7
101.5°	6.2	10.4	12.5
102°	6.2	8.3	10.4
102.5°	6.2	8.3	8.3
103°	4.2	6.2	8.3
103.5°	4.2	6.2	8.3
104°	4.2	6.2	6.2
104.5°	4.2	6.2	6.2
105°	4.2	6.2	6.2
110°	2.1	4.2	4.2
120°	2.1	2.1	2.1
130°	0.0	0.0	0.0
140°	0.0	0.0	0.0



TEST NUMBER: Scaled from CRT2202031552-002
CATALOG NUMBER: GUV-P-4

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)