

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: NEO-RAY

Report Number: 7941.0

Luminaire Tested: **17IP-2T8-4 TRIAD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: 7941.0
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: 17IP-2T8-4 TRIAD
Description: 4'INDIRECT FIXTURE
Light Source: 2/32WATT T8 LAMPS
Ballast/Driver: -

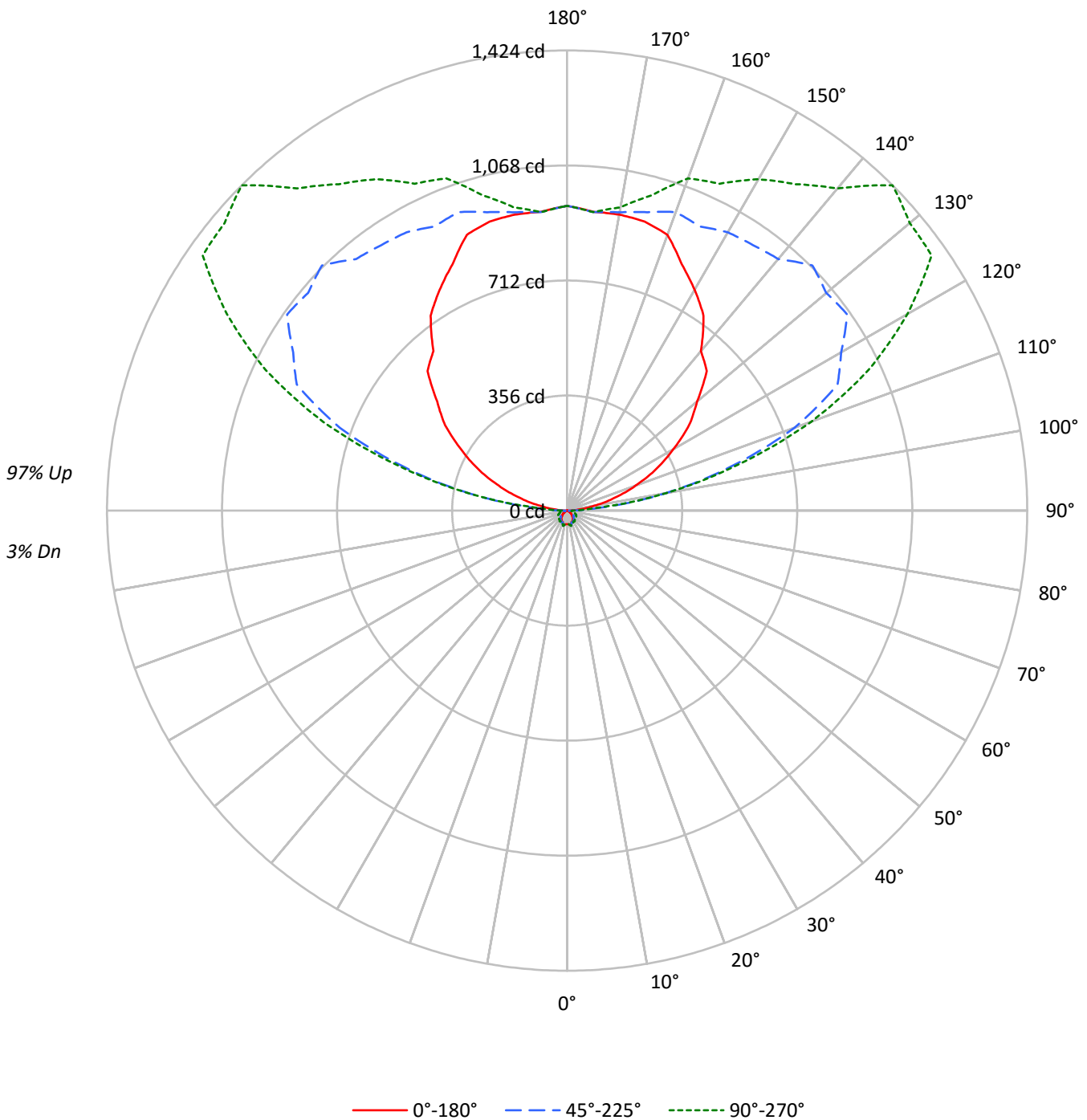
Summary

Lumens per Lamp: 2900 (2 lamps)
Luminaire Lumens: 4613.3 lumens
Efficiency: 79.5%
Efficacy: 66.9 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.47 / 1.39
Luminous Opening: Rectangular (W 0.88' x L: 4' x H: 0')
CIE Type: Indirect

Input Watts (W): 69
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: 25 FT

TEST NUMBER: 7941.0
CATALOG NUMBER: 17IP-2T8-4 TRIAD

Luminous Intensity Polar Plot





TEST NUMBER: 7941.0

CATALOG NUMBER: 17IP-2T8-4 TRIAD

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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	0
RCR																		
0	76	76	76	76	66	66	66	66	46	46	46	27	27	27	10	10	10	2
1	69	66	63	61	59	57	55	52	40	38	37	24	23	22	9	9	8	2
2	63	58	53	49	54	50	46	43	35	32	30	21	20	18	8	7	7	2
3	57	51	45	41	49	44	39	36	30	28	25	18	17	16	7	6	6	1
4	52	45	39	34	45	38	34	30	27	24	21	16	14	13	6	6	5	1
5	48	39	33	29	41	34	29	25	24	21	18	14	13	11	5	5	4	1
6	44	35	29	25	38	30	25	22	21	18	16	13	11	10	5	4	4	1
7	40	31	26	22	35	27	22	19	19	16	14	12	10	8	4	4	3	1
8	37	28	23	19	32	24	20	16	17	14	12	10	9	7	4	3	3	1
9	35	26	20	16	30	22	18	14	16	13	10	9	8	6	4	3	3	1
10	32	23	18	14	27	20	16	13	14	11	9	9	7	6	3	3	2	1

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	128	128	128
5°	129	135	129
10°	137	137	137
15°	152	155	155
20°	124	127	133
25°	128	138	142
30°	120	131	138
35°	123	138	153
40°	104	132	148
45°	95	121	151
50°	81	124	162
55°	69	128	181
60°	55	122	202
65°	36	123	217
70°	18	134	232
75°	0	142	272
80°	0	106	299
85°	0	175	456



TEST NUMBER: 7941.0

CATALOG NUMBER: 17IP-2T8-4 TRIAD

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	4.2	0.1	0.1
10°-20°	12.8	0.3	0.2
20°-30°	18.2	0.4	0.3
30°-40°	22.3	0.5	0.4
40°-50°	22.3	0.5	0.4
50°-60°	21.0	0.5	0.4
60°-70°	17.2	0.4	0.3
70°-80°	12.1	0.3	0.2
80°-90°	7.4	0.2	0.1
90°-100°	123.6	2.7	2.1
100°-110°	483.2	10.5	8.3
110°-120°	773.8	16.8	13.3
120°-130°	866.6	18.8	14.9
130°-140°	791.0	17.1	13.6
140°-150°	621.5	13.5	10.7
150°-160°	453.4	9.8	7.8
160°-170°	273.7	5.9	4.7
170°-180°	89.1	1.9	1.5
0°-30°	35.2	0.8	0.6
0°-40°	57.4	1.2	1.0
0°-60°	100.6	2.2	1.7
0°-90°	137.4	3.0	2.4
90°-120°	1380.6	29.9	23.8
90°-150°	3659.7	79.3	63.1
90°-180°	4476.0	97.0	77.2
0°-180°	4613.3	100.0	79.5

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	42	42	42	42	42	
5°	42	44	44	44	42	4
15°	48	49	49	50	49	13
25°	38	39	41	42	42	17
35°	33	34	37	39	41	20
45°	22	24	28	34	35	17
55°	13	16	24	31	34	12
65°	5	9	17	26	30	5
75°	0	4	12	20	23	1
85°	0	0	5	11	13	0
90°	0	4	8	13	16	5
95°	34	105	99	86	79	42
105°	152	418	524	543	546	162
115°	304	576	923	1014	1029	300
125°	461	672	1058	1300	1377	409
135°	611	758	1073	1332	1424	462
145°	736	802	1003	1165	1233	455
155°	840	862	970	1074	1116	389
165°	926	931	956	992	1010	261
175°	928	927	927	928	927	89
180°	943	943	943	943	943	



TEST NUMBER: 7941.0

CATALOG NUMBER: 17IP-2T8-4 TRIAD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	42	42	42	42	42
5°	42	44	44	44	42
10°	44	44	44	44	44
15°	48	49	49	50	49
20°	38	39	39	41	41
25°	38	39	41	42	42
30°	34	35	37	38	39
35°	33	34	37	39	41
40°	26	28	33	35	37
45°	22	24	28	34	35
50°	17	20	26	33	34
55°	13	16	24	31	34
60°	9	12	20	28	33
65°	5	9	17	26	30
70°	2	6	15	23	26
75°	0	4	12	20	23
80°	0	1	6	15	17
85°	0	0	5	11	13
90°	0	4	8	13	16
95°	34	105	99	86	79
100°	85	272	308	313	311
105°	152	418	524	543	546
110°	225	516	748	789	803
115°	304	576	923	1014	1029
120°	379	615	979	1175	1216
125°	461	672	1058	1300	1377
130°	525	703	1047	1300	1384
135°	611	758	1073	1332	1424
140°	644	767	1016	1219	1301
145°	736	802	1003	1165	1233
150°	789	832	994	1131	1184
155°	840	862	970	1074	1116
160°	908	919	983	1060	1094
165°	926	931	956	992	1010
170°	930	931	937	948	953
175°	928	927	927	928	927
180°	943	943	943	943	943

(END OF REPORT)