Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: METALUX

Report Number: ITL49400

Luminaire Tested: **2PGX-332S39I**

Issue Date: 3/3/2020

Report Generated By E9911574 / USPTCWHP6081592

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Test Information

Test Method:	LM-41-14
Report Number:	ITL49400
Test Lab:	
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	METALUX
Catalog Number:	2PGX-332S39I
Description:	FABRICATED METAL HOUSING WITH WHITE PAINTED INTERIOR FINISH, FABRICATED WHITE PAINTED METAL BALLAST COVER, FABRICATED SEMI-SPECULAR METAL PARABOLIC 27-CELL LOUVER.
Light Source:	THREE 32-WATT T-8 F32T8/TL735 LINEAR FLUORESCENTS.
Ballast/Driver:	MOTOROLA M3-IN-T8-GP-D-120, L.O.B.F. = 85.8%

Summary

Lumens per Lamp:	2800 (3 lamps)
Luminaire Lumens:	5058.1 lumens
Efficiency:	60.2%
Efficacy:	60.8 lumens/watt
Spacing Criteria (0/90/45):	1.17 / 1.55 / 1.42
Luminous Opening:	Rectangular (W 1.74' x L: 3.76' x H: 0')
CIE Type:	Direct

Input Watts (W):	83.2
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

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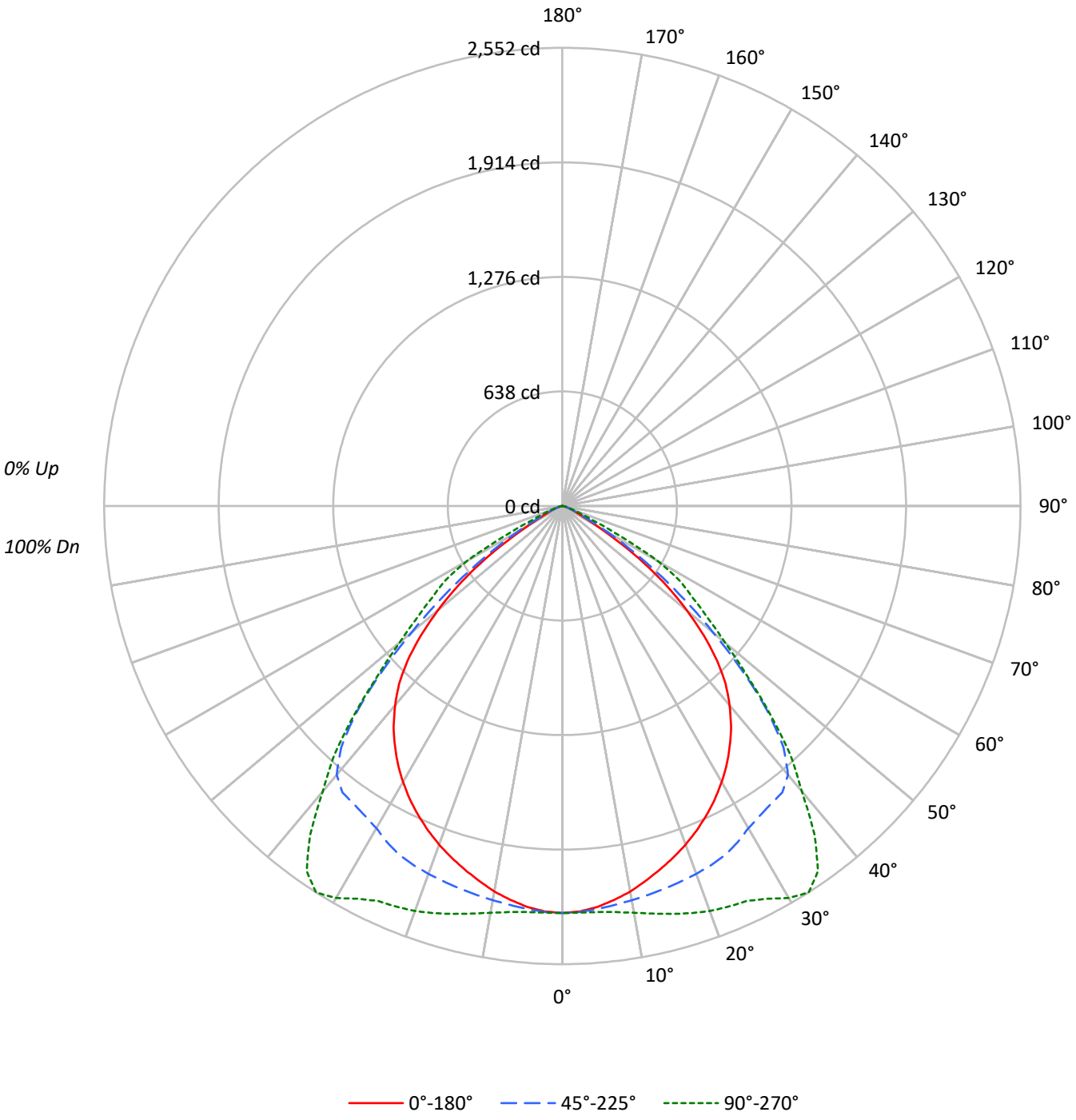
Luminous Intensity Polar Plot



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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	0
RCR																		
0	72	72	72	72	70	70	70	70	67	67	67	64	64	64	61	61	61	60
1	67	65	63	61	66	64	62	60	61	60	59	59	58	57	57	56	55	54
2	62	59	55	53	61	57	55	52	55	53	51	54	52	50	52	50	49	48
3	58	53	49	46	57	52	48	45	50	47	44	49	46	44	47	45	43	42
4	54	48	43	40	52	47	43	39	45	42	39	44	41	38	43	40	38	37
5	50	43	38	35	49	42	38	35	41	37	34	40	37	34	39	36	34	33
6	46	39	34	31	45	39	34	31	38	34	31	37	33	30	36	33	30	29
7	43	36	31	28	42	35	31	28	34	30	27	34	30	27	33	30	27	26
8	40	33	28	25	39	32	28	25	32	28	25	31	27	25	30	27	24	23
9	37	30	26	22	37	30	25	22	29	25	22	28	25	22	28	25	22	21
10	35	28	23	20	34	27	23	20	27	23	20	26	23	20	26	23	20	19

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3730	3730	3730
5°	3702	3721	3749
10°	3642	3724	3843
15°	3572	3758	4007
20°	3514	3817	4203
25°	3450	3894	4406
30°	3373	3937	4790
35°	3268	4068	4986
40°	3112	4199	4457
45°	2841	3765	3802
50°	2319	2808	3026
55°	1595	1836	2525
60°	717	951	2040
65°	339	382	709
70°	216	212	342
75°	140	134	191
80°	95	85	104
85°	38	38	38

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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	214.6	4.2	2.6
10°-20°	626.8	12.4	7.5
20°-30°	993.4	19.6	11.8
30°-40°	1263.8	25.0	15.0
40°-50°	1149.4	22.7	13.7
50°-60°	631.1	12.5	7.5
60°-70°	148.3	2.9	1.8
70°-80°	27.4	0.5	0.3
80°-90°	3.2	0.1	0.0
90°-100°	0.0	0.0	0.0
100°-110°	0.0	0.0	0.0
110°-120°	0.0	0.0	0.0
120°-130°	0.0	0.0	0.0
130°-140°	0.0	0.0	0.0
140°-150°	0.0	0.0	0.0
150°-160°	0.0	0.0	0.0
160°-170°	0.0	0.0	0.0
170°-180°	0.0	0.0	0.0
0°-30°	1834.8	36.3	21.8
0°-40°	3098.6	61.3	36.9
0°-60°	4879.1	96.5	58.1
0°-90°	5058.1	100.0	60.2
90°-120°	0.0	0.0	0.0
90°-150°	0.0	0.0	0.0
90°-180°	0.0	0.0	0.0
0°-180°	5058.1	100.0	60.2

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2267	2267	2267	2267	2267	
5°	2241	2248	2253	2263	2270	212
15°	2097	2124	2206	2303	2352	592
25°	1900	1969	2145	2315	2427	875
35°	1627	1762	2025	2331	2482	1015
45°	1221	1432	1618	1572	1634	926
55°	556	652	640	790	880	493
65°	87	88	98	149	182	100
75°	22	21	21	26	30	25
85°	2	2	2	2	2	4
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2267	2267	2267	2267	2267
2.5°	2260	2263	2263	2264	2267
5°	2241	2248	2253	2263	2270
7.5°	2213	2223	2241	2267	2281
10°	2180	2192	2229	2276	2300
12.5°	2139	2159	2218	2289	2325
15°	2097	2124	2206	2303	2352
17.5°	2053	2088	2193	2316	2378
20°	2007	2052	2180	2325	2400
22.5°	1955	2014	2165	2326	2416
25°	1900	1969	2145	2315	2427
27.5°	1840	1924	2112	2313	2466
30°	1775	1878	2072	2332	2521
32.5°	1705	1823	2046	2367	2552
35°	1627	1762	2025	2331	2482
37.5°	1544	1695	2011	2211	2307
40°	1449	1619	1955	2017	2075
42.5°	1346	1535	1824	1786	1880
45°	1221	1432	1618	1572	1634
47.5°	1069	1302	1362	1339	1388
50°	906	1124	1097	1124	1182
52.5°	738	898	857	943	1015
55°	556	652	640	790	880
57.5°	371	424	446	641	777
60°	218	251	289	471	620
62.5°	129	144	170	277	362
65°	87	88	98	149	182
67.5°	61	60	64	89	111
70°	45	43	44	57	71
72.5°	32	31	30	39	47
75°	22	21	21	26	30
77.5°	15	15	14	17	20
80°	10	9	9	10	11
82.5°	6	5	4	5	6
85°	2	2	2	2	2
87.5°	0	0	0	0	0
90°	0	0	0	0	0

(END OF REPORT)