

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: METALUX

Report Number: P732066

Luminaire Tested: **22CZ2-44HE-HRP-B2750-W2D-2700K**

Issue Date: 1/5/2024

Test Information

Test Method: LM-79-08
Report Number: P732066
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P294823)
Test Lab: INNOVATIONS CENTER(G3)
Issue Date: 1/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22CZ2-44HE-HRP-B2750-W2D-2700K
Description: 2X2 4400 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 2700K CCT AND HRP LENS

Light Source: -
Ballast/Driver: -

Summary

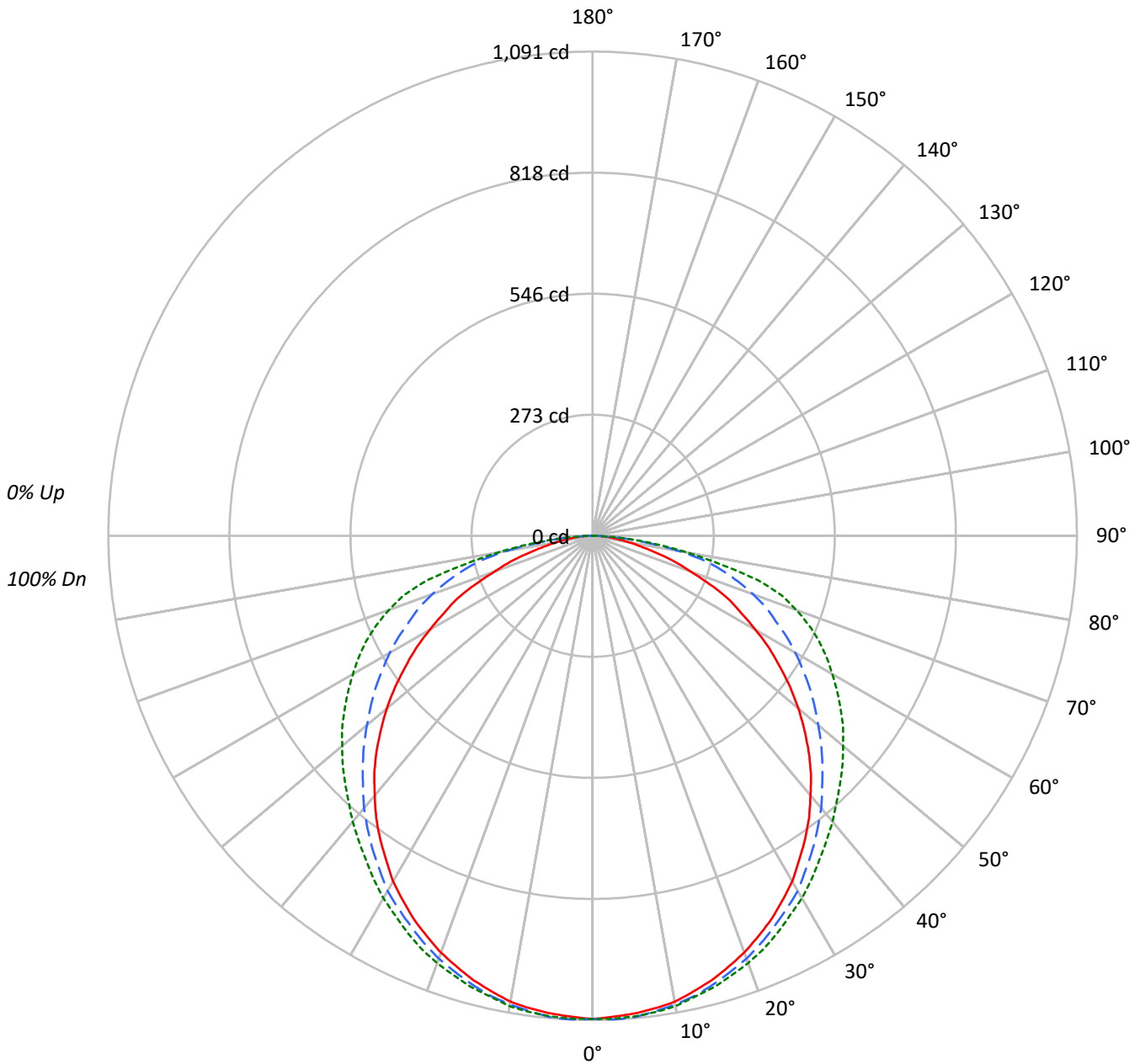
Lumens per Lamp: N/A
Luminaire Lumens: 3307.0 lumens
Efficiency: N/A
Efficacy: 91.9 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.29 / 1.38
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

Input Watts (W): 36
Input Voltage (V): NR
Input Current (A_{in}): 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: P732066

CATALOG NUMBER: 22CZ2-44HE-HRP-B2750-W2D-2700K

Luminous Intensity Polar Plot





TEST NUMBER: P732066

CATALOG NUMBER: 22CZ2-44HE-HRP-B2750-W2D-2700K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	108	103	98	94	105	101	96	93	96	93	90	92	90	87	89	87	84	82																			
2	98	89	82	76	95	87	80	75	84	78	73	80	75	71	77	73	70	68																			
3	89	78	69	62	86	76	68	62	73	66	61	70	64	60	68	63	59	56																			
4	81	69	59	52	79	67	59	52	65	57	51	62	56	51	60	55	50	48																			
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41																			
6	69	55	46	39	67	54	45	39	52	44	39	50	43	38	49	43	38	36																			
7	64	50	41	34	62	49	40	34	47	40	34	46	39	34	44	38	33	31																			
8	59	45	37	31	58	45	36	31	43	36	30	42	35	30	41	35	30	28																			
9	55	42	33	28	54	41	33	27	40	32	27	39	32	27	38	31	27	25																			
10	52	38	30	25	50	38	30	25	37	30	25	36	29	25	35	29	24	23																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3090	3090	3090
5°	3078	3102	3096
10°	3071	3090	3102
15°	3046	3077	3095
20°	3018	3062	3093
25°	2985	3037	3089
30°	2946	3027	3090
35°	2890	2992	3085
40°	2828	2967	3114
45°	2763	2938	3165
50°	2671	2929	3251
55°	2550	2952	3375
60°	2403	2995	3540
65°	2270	3053	3782
70°	1938	3184	4049
75°	1624	3316	4208
80°	1329	3204	3510
85°	1159	2380	2579



TEST NUMBER: P732066

CATALOG NUMBER: 22CZ2-44HE-HRP-B2750-W2D-2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.2	3.1
10°-20°	295.2	8.9
20°-30°	447.4	13.5
30°-40°	540.2	16.3
40°-50°	567.7	17.2
50°-60°	534.1	16.2
60°-70°	445.3	13.5
70°-80°	295.1	8.9
80°-90°	78.7	2.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
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°	845.8	25.6
0°-40°	1386.1	41.9
0°-60°	2487.9	75.2
0°-90°	3307.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3307.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1089	1089	1089	1089	1089	
5°	1081	1083	1089	1089	1087	103
15°	1037	1041	1047	1051	1053	292
25°	953	960	970	982	987	439
35°	834	843	864	882	891	522
45°	688	699	732	770	789	530
55°	515	538	597	657	682	461
65°	338	367	455	530	563	329
75°	148	206	302	365	384	161
85°	36	54	73	79	79	41
90°	0	0	0	0	0	



TEST NUMBER: P732066

CATALOG NUMBER: 22CZ2-44HE-HRP-B2750-W2D-2700K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1088.9	1088.9	1088.9	1088.9	1088.9
2.5°	1084.8	1087.0	1091.1	1091.1	1088.9
5°	1080.6	1082.6	1088.9	1088.9	1087.0
7.5°	1074.3	1076.5	1080.6	1084.8	1082.6
10°	1066.0	1068.0	1072.4	1076.5	1076.5
12.5°	1051.4	1053.4	1061.9	1063.8	1063.8
15°	1036.8	1040.9	1047.3	1051.4	1053.4
17.5°	1018.1	1022.2	1030.5	1039.0	1039.0
20°	999.3	1003.4	1013.9	1022.2	1024.4
22.5°	976.4	982.5	993.0	1003.4	1007.6
25°	953.3	959.6	970.1	982.5	986.6
27.5°	926.2	932.6	947.2	961.8	963.7
30°	899.2	905.3	924.0	936.7	943.0
32.5°	865.8	874.1	892.9	911.6	918.0
35°	834.4	842.7	863.6	882.4	890.7
37.5°	801.0	809.3	832.5	855.4	865.8
40°	763.5	774.0	801.0	826.1	840.7
42.5°	728.0	738.5	765.5	799.1	813.5
45°	688.5	698.8	732.1	769.9	788.6
47.5°	646.6	659.3	698.8	744.8	763.5
50°	605.0	619.6	663.4	715.6	736.5
52.5°	561.1	579.9	630.1	686.3	711.4
55°	515.4	538.3	596.7	657.1	682.2
57.5°	471.5	492.2	561.1	625.9	653.0
60°	423.5	450.6	527.8	594.5	623.7
62.5°	377.5	406.7	492.2	563.3	594.5
65°	338.1	367.0	454.7	530.0	563.3
67.5°	285.7	325.4	423.5	494.4	527.8
70°	233.6	287.9	383.8	456.9	488.1
72.5°	194.1	246.2	344.1	417.2	446.4
75°	148.1	206.5	302.5	365.1	383.8
77.5°	110.6	171.0	258.7	290.1	292.0
80°	81.3	131.5	196.1	206.5	214.8
82.5°	56.3	91.8	127.1	139.8	143.9
85°	35.6	54.3	73.1	79.2	79.2
87.5°	18.8	20.9	25.1	25.1	25.1
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)