

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: P732067

Luminaire Tested: **22CZ2-44HE-HRP-B2750-W2D-3000K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P732067
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-3000K
Description: 2X2 4400 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3000K CCT AND HRP LENS

Light Source: -
Ballast/Driver: -

Summary

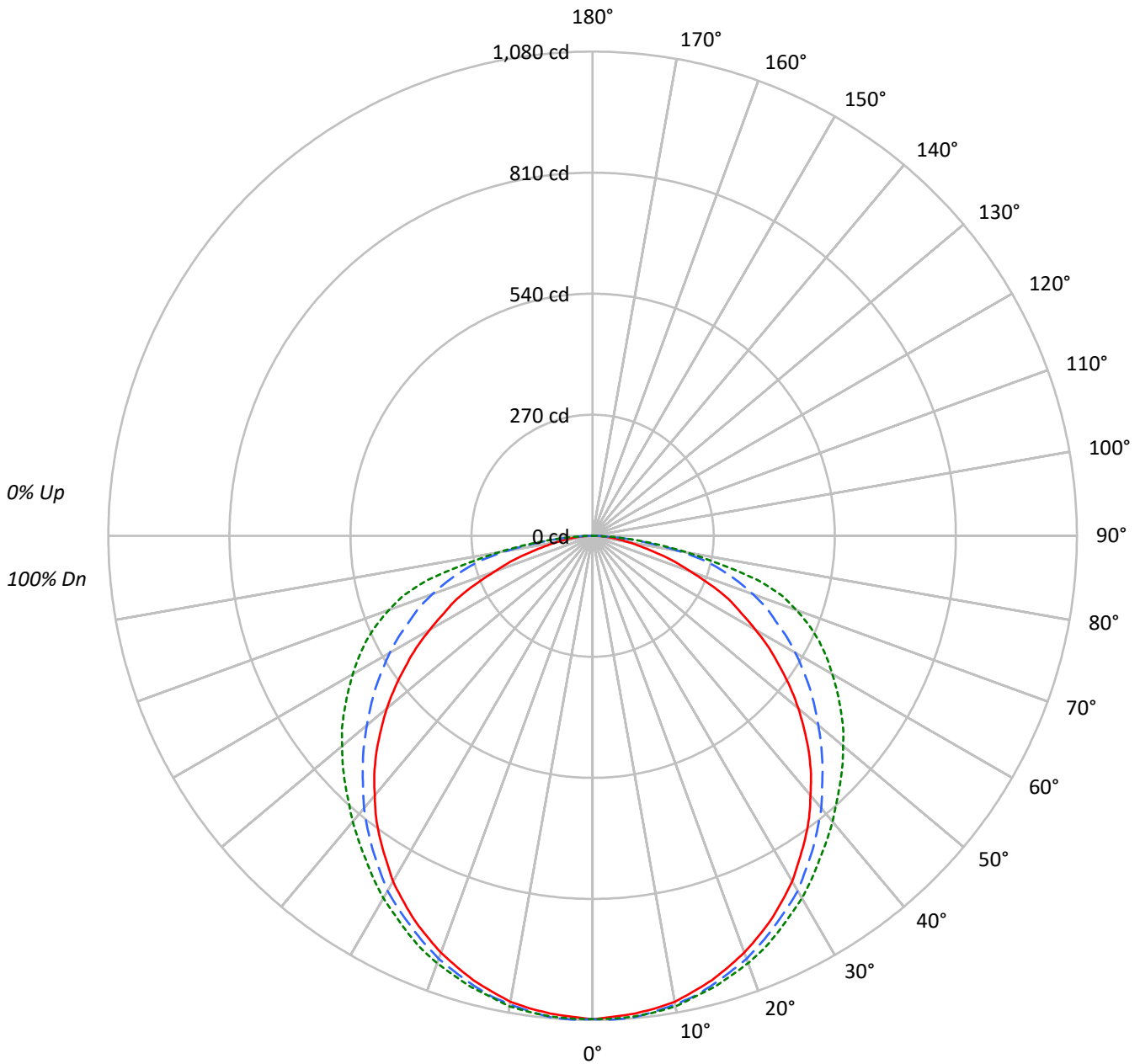
Lumens per Lamp: N/A
Luminaire Lumens: 3274.0 lumens
Efficiency: N/A
Efficacy: 90.9 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.29 / 1.38
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

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: P732067

CATALOG NUMBER: 22CZ2-44HE-HRP-B2750-W2D-3000K

Luminous Intensity Polar Plot





TEST NUMBER: P732067

CATALOG NUMBER: 22CZ2-44HE-HRP-B2750-W2D-3000K

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	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°	3059	3059	3059
5°	3047	3071	3065
10°	3041	3059	3071
15°	3015	3046	3064
20°	2987	3031	3063
25°	2955	3007	3058
30°	2917	2997	3059
35°	2862	2962	3055
40°	2800	2938	3083
45°	2736	2909	3133
50°	2644	2899	3219
55°	2524	2923	3341
60°	2380	2965	3504
65°	2247	3023	3744
70°	1918	3153	4009
75°	1607	3284	4166
80°	1315	3172	3476
85°	1146	2354	2552



TEST NUMBER: P732067

CATALOG NUMBER: 22CZ2-44HE-HRP-B2750-W2D-3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.2	3.1
10°-20°	292.3	8.9
20°-30°	443.0	13.5
30°-40°	534.9	16.3
40°-50°	562.0	17.2
50°-60°	528.8	16.2
60°-70°	440.9	13.5
70°-80°	292.1	8.9
80°-90°	77.9	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°	837.4	25.6
0°-40°	1372.3	41.9
0°-60°	2463.1	75.2
0°-90°	3274.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3274.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1078	1078	1078	1078	1078	
5°	1070	1072	1078	1078	1076	102
15°	1026	1031	1037	1041	1043	289
25°	944	950	960	973	977	435
35°	826	834	855	874	882	517
45°	682	692	725	762	781	525
55°	510	533	591	650	675	456
65°	335	363	450	525	558	326
75°	147	204	300	361	380	159
85°	35	54	72	78	78	41
90°	0	0	0	0	0	



TEST NUMBER: P732067

CATALOG NUMBER: 22CZ2-44HE-HRP-B2750-W2D-3000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1078.1	1078.1	1078.1	1078.1	1078.1
2.5°	1074.0	1076.1	1080.2	1080.2	1078.1
5°	1069.9	1071.8	1078.1	1078.1	1076.1
7.5°	1063.6	1065.8	1069.9	1074.0	1071.8
10°	1055.4	1057.3	1061.7	1065.8	1065.8
12.5°	1040.9	1042.9	1051.3	1053.2	1053.2
15°	1026.5	1030.6	1036.8	1040.9	1042.9
17.5°	1007.9	1012.0	1020.2	1028.6	1028.6
20°	989.3	993.4	1003.8	1012.0	1014.2
22.5°	966.7	972.7	983.1	993.4	997.5
25°	943.8	950.0	960.4	972.7	976.8
27.5°	917.0	923.3	937.7	952.2	954.1
30°	890.2	896.3	914.8	927.4	933.6
32.5°	857.2	865.4	884.0	902.5	908.8
35°	826.1	834.3	855.0	873.6	881.8
37.5°	793.1	801.3	824.2	846.8	857.2
40°	755.9	766.3	793.1	817.9	832.4
42.5°	720.7	731.1	757.8	791.1	805.3
45°	681.7	691.8	724.8	762.2	780.8
47.5°	640.2	652.7	691.8	737.4	755.9
50°	598.9	613.4	656.8	708.4	729.2
52.5°	555.5	574.1	623.8	679.5	704.3
55°	510.2	532.9	590.8	650.5	675.4
57.5°	466.8	487.3	555.5	619.7	646.4
60°	419.3	446.1	522.5	588.6	617.5
62.5°	373.7	402.7	487.3	557.7	588.6
65°	334.7	363.4	450.2	524.7	557.7
67.5°	282.8	322.1	419.3	489.5	522.5
70°	231.2	285.0	380.0	452.3	483.2
72.5°	192.2	243.8	340.7	413.0	442.0
75°	146.6	204.5	299.5	361.4	380.0
77.5°	109.5	169.3	256.1	287.2	289.1
80°	80.5	130.2	194.1	204.5	212.7
82.5°	55.7	90.9	125.9	138.4	142.5
85°	35.2	53.8	72.3	78.4	78.4
87.5°	18.6	20.7	24.8	24.8	24.8
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)