

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: P732027

Luminaire Tested: **22CZ2-34HE-S-B2750-W2D-3000K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P732027
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P272009)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 1/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22CZ2-34HE-S-B2750-W2D-3000K
Description: 2X2 3400 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3000K CCT AND SMOOTH LENS

Light Source: -
Ballast/Driver: -

Summary

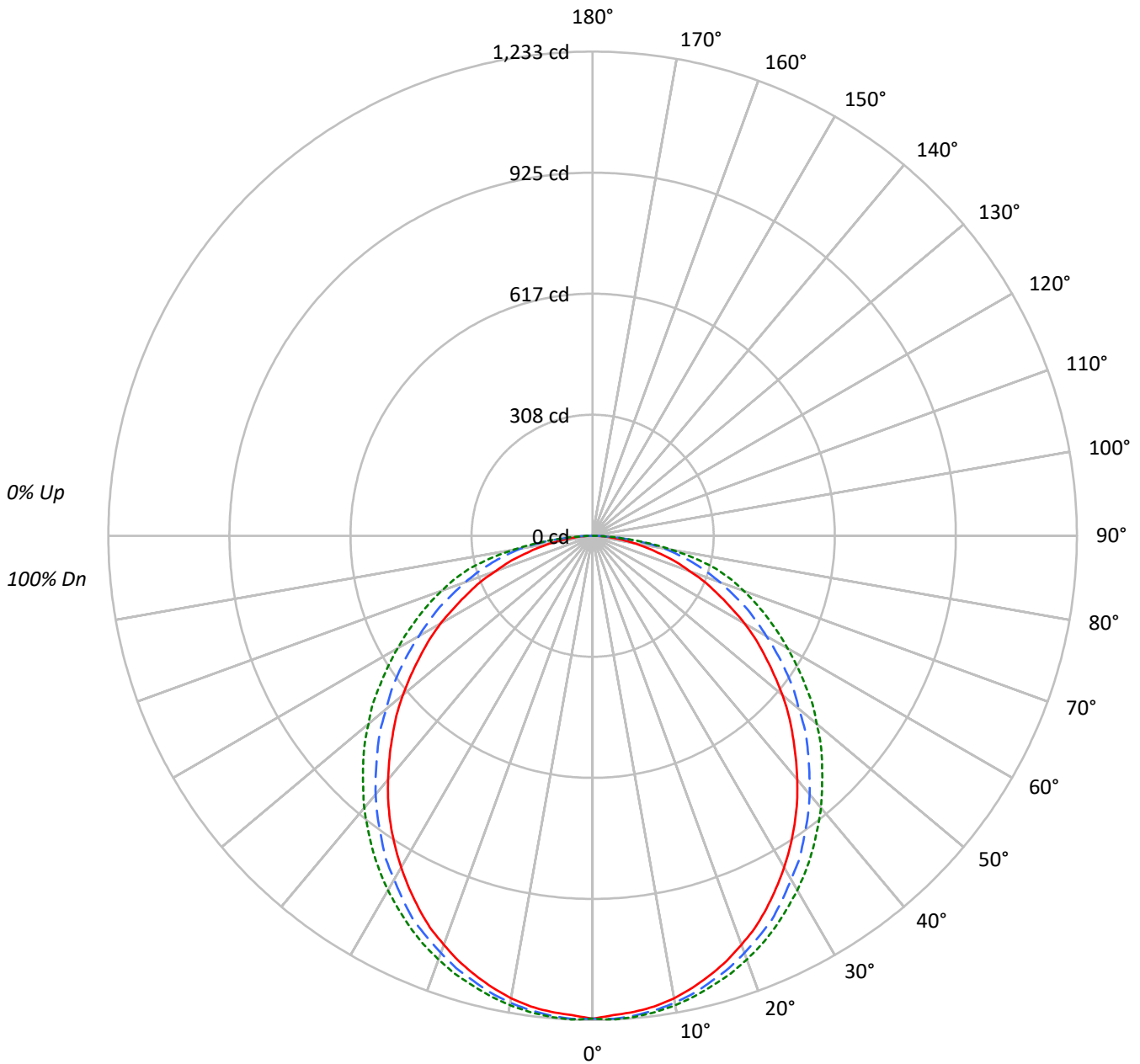
Lumens per Lamp: N/A
Luminaire Lumens: 3432.0 lumens
Efficiency: N/A
Efficacy: 114.4 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.26 / 1.34
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

Input Watts (W): 30
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: P732027

CATALOG NUMBER: 22CZ2-34HE-S-B2750-W2D-3000K

Luminous Intensity Polar Plot





TEST NUMBER: P732027

CATALOG NUMBER: 22CZ2-34HE-S-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	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83								
2	98	90	83	77	96	88	82	76	84	79	74	81	77	73	78	74	71	69								
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58								
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	61	56	52	49								
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43								
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37								
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33								
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	31	30								
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	28	27								
10	53	40	32	26	51	39	31	26	38	31	26	37	31	26	36	30	26	24								

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3490	3490	3490
5°	3467	3494	3503
10°	3447	3479	3497
15°	3401	3448	3481
20°	3346	3413	3467
25°	3279	3379	3444
30°	3196	3311	3415
35°	3106	3251	3384
40°	3001	3185	3351
45°	2892	3110	3316
50°	2785	3026	3287
55°	2654	2971	3264
60°	2535	2899	3254
65°	2366	2882	3290
70°	2179	2856	3387
75°	1966	2897	3565
80°	1699	2984	3348
85°	1406	2500	2500



TEST NUMBER: P732027

CATALOG NUMBER: 22CZ2-34HE-S-B2750-W2D-3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.3	3.4
10°-20°	331.0	9.6
20°-30°	495.2	14.4
30°-40°	586.5	17.1
40°-50°	597.7	17.4
50°-60°	535.7	15.6
60°-70°	419.4	12.2
70°-80°	270.4	7.9
80°-90°	79.9	2.3
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°	942.5	27.5
0°-40°	1528.9	44.5
0°-60°	2662.3	77.6
0°-90°	3432.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3432.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1230	1230	1230	1230	1230	
5°	1217	1220	1226	1228	1230	116
15°	1158	1164	1174	1183	1185	326
25°	1047	1057	1079	1094	1100	482
35°	897	908	938	967	977	560
45°	721	737	775	815	826	556
55°	536	554	600	642	660	481
65°	352	373	429	471	490	350
75°	179	206	264	309	325	192
85°	43	59	77	77	77	51
90°	0	0	0	0	0	



TEST NUMBER: P732027

CATALOG NUMBER: 22CZ2-34HE-S-B2750-W2D-3000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1229.8	1229.8	1229.8	1229.8	1229.8
2.5°	1221.7	1225.0	1231.4	1233.1	1233.1
5°	1217.1	1220.2	1226.5	1228.3	1229.8
7.5°	1209.0	1210.5	1218.6	1221.7	1223.4
10°	1196.2	1199.3	1207.4	1212.2	1213.8
12.5°	1178.5	1183.3	1192.9	1199.3	1201.1
15°	1157.8	1164.2	1173.7	1183.3	1185.0
17.5°	1135.3	1141.8	1154.5	1165.7	1169.0
20°	1108.0	1116.1	1130.4	1143.4	1148.2
22.5°	1080.8	1087.2	1105.0	1121.0	1125.8
25°	1047.3	1056.9	1079.3	1093.8	1100.1
27.5°	1011.9	1023.1	1045.7	1064.8	1071.2
30°	975.3	986.5	1010.4	1034.5	1042.4
32.5°	936.7	949.6	978.4	1002.5	1010.4
35°	896.7	907.9	938.4	967.2	976.8
37.5°	855.1	864.7	900.0	930.3	940.0
40°	810.3	823.0	859.9	895.2	904.7
42.5°	765.3	779.8	816.7	855.1	864.7
45°	720.6	736.6	775.0	815.1	826.3
47.5°	677.3	690.1	733.5	771.9	787.9
50°	630.8	643.8	685.4	728.7	744.7
52.5°	582.8	600.5	645.3	687.0	706.1
55°	536.5	554.0	600.5	642.2	659.8
57.5°	493.2	507.5	555.6	598.8	616.5
60°	446.7	459.7	510.8	557.3	573.3
62.5°	397.1	416.2	469.1	512.3	531.6
65°	352.4	373.0	429.2	470.9	490.0
67.5°	310.7	329.8	384.4	429.2	450.0
70°	262.6	288.3	344.3	389.0	408.3
72.5°	224.2	246.6	304.3	349.1	369.9
75°	179.3	206.5	264.2	309.1	325.2
77.5°	142.6	169.8	224.2	259.4	267.5
80°	104.0	131.2	182.6	200.1	204.9
82.5°	70.4	96.1	131.2	136.0	137.8
85°	43.2	59.2	76.8	76.8	76.8
87.5°	20.8	23.9	27.2	25.7	25.7
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)