

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: P732132

Luminaire Tested: **24CZ2-30HE-SQR-B2750-W2D-3000K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P732132
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P388488)
Test Lab: INNOVATION CENTER (G2)
Issue Date: 1/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 24CZ2-30HE-SQR-B2750-W2D-3000K
Description: 2X4 3000 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3000K CCT AND SQR LENS

Light Source: -
Ballast/Driver: -

Summary

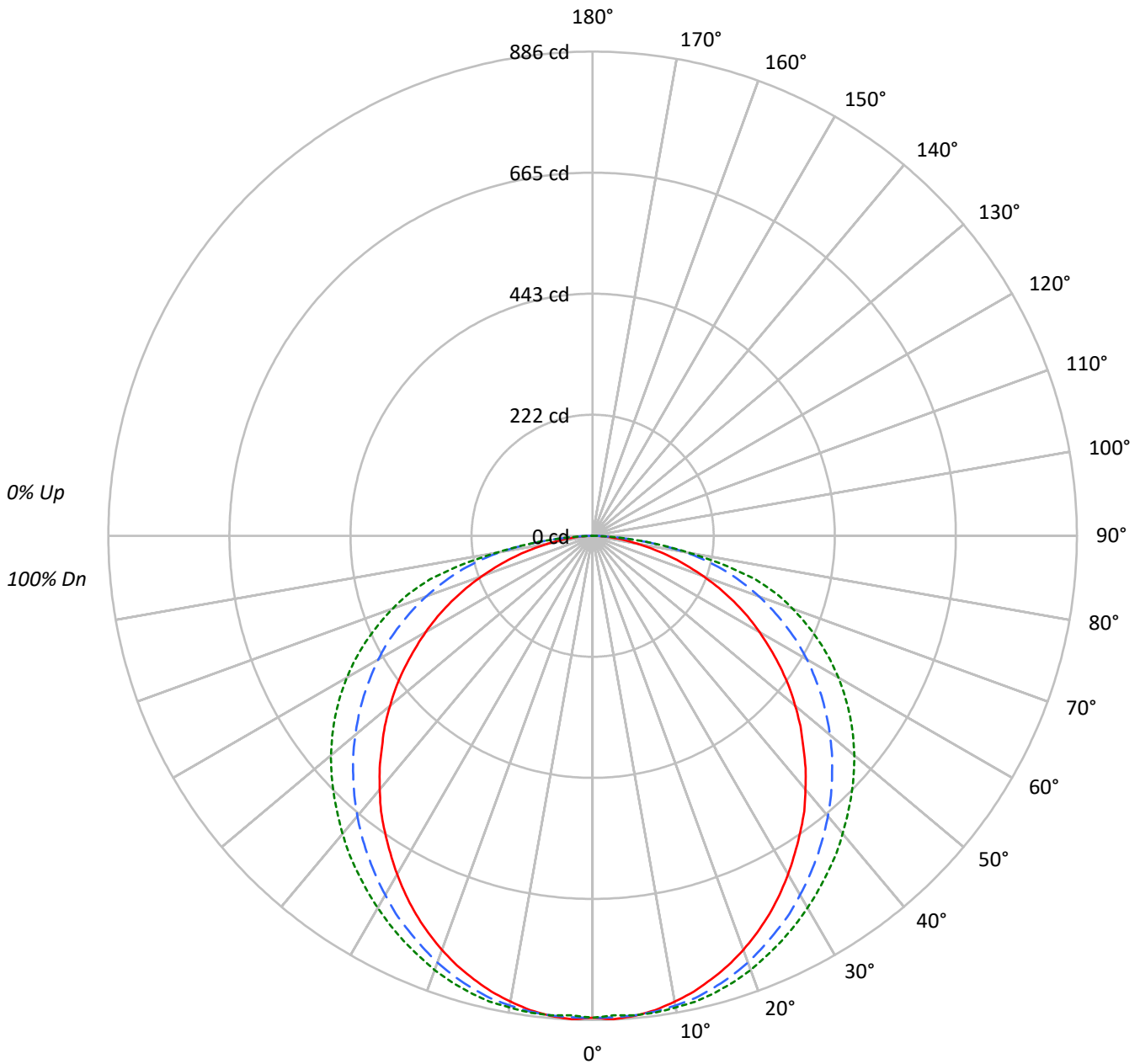
Lumens per Lamp: N/A
Luminaire Lumens: 2759.0 lumens
Efficiency: N/A
Efficacy: 125.4 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.33 / 1.41
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 22
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: P732132

CATALOG NUMBER: 24CZ2-30HE-SQR-B2750-W2D-3000K

Luminous Intensity Polar Plot





TEST NUMBER: P732132

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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	100	96	92	96	93	89	92	89	87	89	86	84	82																			
2	98	89	81	75	95	87	80	74	83	78	73	80	75	71	77	73	69	67																			
3	89	77	69	62	86	76	68	61	73	66	60	70	64	59	67	62	58	56																			
4	81	68	59	52	78	67	58	52	64	57	51	62	55	50	60	54	49	47																			
5	74	61	51	44	72	60	51	44	57	50	44	55	49	43	54	48	43	41																			
6	68	55	45	39	66	54	45	38	52	44	38	50	43	38	48	42	37	35																			
7	63	49	40	34	62	49	40	34	47	39	34	45	39	33	44	38	33	31																			
8	59	45	36	30	57	44	36	30	43	35	30	42	35	30	40	34	30	28																			
9	55	41	33	27	54	41	33	27	39	32	27	38	32	27	37	31	27	25																			
10	52	38	30	25	50	37	30	24	36	29	24	36	29	24	35	29	24	22																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1245	1245	1245
5°	1249	1248	1248
10°	1240	1251	1256
15°	1227	1251	1265
20°	1211	1248	1270
25°	1190	1241	1274
30°	1166	1237	1281
35°	1141	1234	1293
40°	1116	1234	1311
45°	1087	1236	1337
50°	1062	1244	1372
55°	1031	1258	1414
60°	995	1278	1466
65°	952	1302	1527
70°	883	1335	1606
75°	800	1381	1680
80°	674	1385	1443
85°	517	1046	1046



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.7	3.0
10°-20°	240.9	8.7
20°-30°	365.8	13.3
30°-40°	445.0	16.1
40°-50°	473.8	17.2
50°-60°	451.2	16.4
60°-70°	377.3	13.7
70°-80°	251.6	9.1
80°-90°	69.6	2.5
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°	690.4	25.0
0°-40°	1135.4	41.2
0°-60°	2060.4	74.7
0°-90°	2759.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2759.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	882	882	882	882	882	
5°	882	876	881	881	881	84
15°	840	842	856	863	866	237
25°	764	774	797	811	818	352
35°	662	682	716	740	751	414
45°	545	574	620	654	670	421
55°	419	456	511	556	575	375
65°	285	327	390	438	457	282
75°	147	193	253	296	308	155
85°	32	59	65	64	65	39
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	881.9	881.9	881.9	881.9	881.9
2.5°	885.5	879.1	881.9	881.9	878.3
5°	881.9	876.4	881.0	881.0	881.0
7.5°	875.6	871.0	878.3	880.1	880.1
10°	865.5	863.7	872.9	875.6	876.4
12.5°	854.6	853.7	866.5	870.0	872.9
15°	839.9	841.8	856.4	862.8	865.5
17.5°	824.6	828.1	844.6	853.7	856.4
20°	806.3	811.8	830.9	839.9	845.5
22.5°	786.3	794.5	814.5	825.4	831.8
25°	764.4	774.4	797.2	810.8	818.2
27.5°	740.7	753.5	779.9	795.3	802.7
30°	715.2	729.7	759.0	777.2	786.3
32.5°	688.7	706.0	738.0	758.0	768.9
35°	662.3	681.5	716.1	739.8	750.7
37.5°	635.9	655.0	693.4	718.8	732.6
40°	605.9	628.6	669.7	697.9	711.6
42.5°	576.7	601.2	645.1	676.0	690.6
45°	544.8	574.0	619.5	654.2	669.7
47.5°	515.6	544.8	594.0	630.5	647.8
50°	483.8	514.7	566.7	606.8	625.0
52.5°	452.8	484.7	539.3	582.2	600.4
55°	419.1	455.5	511.1	555.8	574.8
57.5°	385.4	424.6	481.9	528.4	547.6
60°	352.6	392.6	452.8	499.3	519.3
62.5°	319.8	359.8	422.7	470.1	489.2
65°	285.1	327.0	389.9	438.2	457.4
67.5°	250.5	294.2	357.1	405.4	423.6
70°	214.1	260.6	323.5	370.8	389.1
72.5°	180.4	226.9	288.8	335.3	352.6
75°	146.7	193.1	253.3	296.1	308.0
77.5°	113.9	160.3	214.1	242.4	245.1
80°	82.9	126.7	170.4	178.6	177.6
82.5°	55.5	94.7	117.6	118.4	121.1
85°	31.9	59.2	64.6	63.8	64.6
87.5°	12.8	21.0	18.2	13.6	13.6
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)