

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: P558466

Luminaire Tested: **24CBRK-30HE-UNV-L835-CD1-U**

Issue Date: 7/20/2021



Test Information

Test Method: LM-79-08
Report Number: P558466
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2105-259-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/20/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 24CBRK-30HE-UNV-L835-CD1-U
Description: 2X4 3000 LUMEN, HIGH EFFICACY, LED TROFFER RETROFIT KIT WITH 3500K AND 80 CRI LEDS
Light Source: -
Ballast/Driver: -

Summary

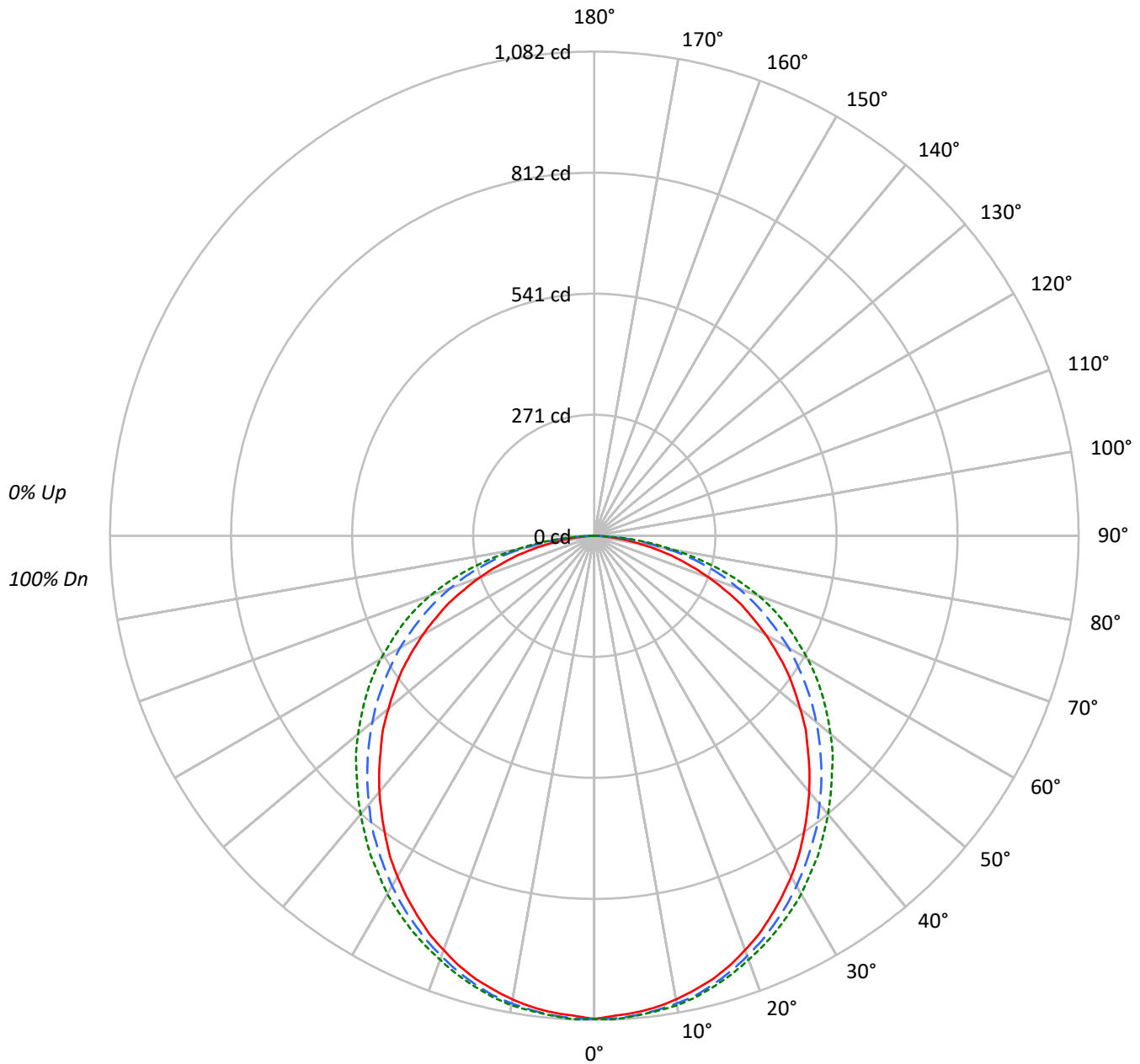
Lumens per Lamp: N/A
Luminaire Lumens: 3175.0 lumens
Efficiency: N/A
Efficacy: 163.7 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 19.4
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

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
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	105	101	97	93	97	93	90	93	90	87	89	87	85	83		
2	98	90	82	76	95	88	81	76	84	79	74	81	76	72	78	74	70	68		
3	89	78	70	63	87	77	69	63	74	67	61	71	65	60	68	63	59	57		
4	82	69	60	53	79	68	59	53	65	58	52	63	57	51	61	55	51	48		
5	75	62	52	46	73	61	52	45	58	51	45	56	50	44	55	49	44	42		
6	69	55	46	40	67	55	46	40	53	45	39	51	44	39	49	43	39	36		
7	64	50	41	35	62	49	41	35	48	40	35	46	40	34	45	39	34	32		
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	41	35	31	29		
9	56	42	34	28	54	41	33	28	40	33	28	39	32	28	38	32	28	26		
10	52	39	31	25	51	38	31	25	37	30	25	36	30	25	35	29	25	23		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1452	1452	1452
5°	1444	1453	1454
10°	1438	1450	1456
15°	1428	1444	1450
20°	1410	1431	1443
25°	1389	1418	1440
30°	1366	1404	1437
35°	1339	1390	1431
40°	1312	1375	1426
45°	1283	1364	1429
50°	1256	1355	1441
55°	1231	1349	1460
60°	1190	1350	1482
65°	1149	1344	1510
70°	1072	1344	1530
75°	977	1332	1510
80°	802	1246	1378
85°	528	1039	1149



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.1	3.2
10°-20°	291.8	9.2
20°-30°	439.8	13.9
30°-40°	528.8	16.7
40°-50°	552.3	17.4
50°-60°	513.2	16.2
60°-70°	414.6	13.1
70°-80°	260.2	8.2
80°-90°	72.1	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°	833.8	26.3
0°-40°	1362.5	42.9
0°-60°	2428.1	76.5
0°-90°	3175.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3175.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1080	1080	1080	1080	1080	
5°	1069	1071	1076	1078	1076	102
15°	1025	1029	1036	1040	1041	289
25°	936	942	955	967	970	431
35°	815	825	846	863	871	510
45°	674	688	717	743	751	521
55°	525	539	575	609	622	467
65°	361	379	422	460	474	354
75°	188	214	256	283	290	197
85°	34	54	67	74	74	45
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1079.5	1079.5	1079.5	1079.5	1079.5
2.5°	1073.5	1075.5	1079.5	1081.5	1081.5
5°	1069.4	1071.4	1075.5	1077.5	1076.5
7.5°	1062.4	1065.4	1069.4	1071.4	1071.4
10°	1052.4	1055.4	1061.4	1065.4	1065.4
12.5°	1039.3	1043.3	1051.3	1054.4	1055.4
15°	1025.2	1029.2	1036.3	1040.3	1041.3
17.5°	1007.1	1011.1	1019.2	1024.2	1026.2
20°	985.0	990.0	999.1	1007.1	1008.1
22.5°	962.9	967.9	979.0	988.0	990.0
25°	935.8	941.8	954.9	966.9	969.9
27.5°	908.6	915.7	930.7	943.8	947.8
30°	879.5	887.5	903.6	918.7	924.7
32.5°	849.3	857.4	875.5	892.5	896.6
35°	815.1	825.2	846.3	863.4	871.4
37.5°	781.0	793.0	817.2	837.3	841.3
40°	746.8	758.9	783.0	806.1	812.1
42.5°	711.6	724.7	750.8	774.9	782.0
45°	674.4	688.5	716.6	742.8	750.8
47.5°	640.3	652.3	682.5	710.6	722.7
50°	600.1	615.1	647.3	677.4	688.5
52.5°	561.9	576.9	612.1	644.3	655.3
55°	524.7	538.7	574.9	609.1	622.2
57.5°	482.5	499.5	537.7	574.9	588.0
60°	442.2	459.3	501.6	538.7	550.8
62.5°	400.0	420.1	461.3	498.5	511.6
65°	360.8	378.9	422.1	460.3	474.4
67.5°	314.6	336.7	382.9	420.1	434.2
70°	272.4	294.5	341.7	377.9	389.0
72.5°	228.2	254.3	301.5	331.7	340.7
75°	188.0	214.1	256.3	283.4	290.5
77.5°	144.7	171.9	213.1	229.2	235.2
80°	103.5	133.7	160.8	173.9	177.9
82.5°	67.3	94.5	112.6	122.6	126.6
85°	34.2	54.3	67.3	74.4	74.4
87.5°	11.1	20.1	24.1	21.1	16.1
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)