

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: P#

Luminaire Tested: **22CZ-LD5-44SE-RDP-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P25713)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22CZ-LD5-44SE-RDP-UNV-L835-CD1-U
Description:

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2740.7 lumens
Efficiency: N/A
Efficacy: 68.5 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.1')
CIE Type: Direct

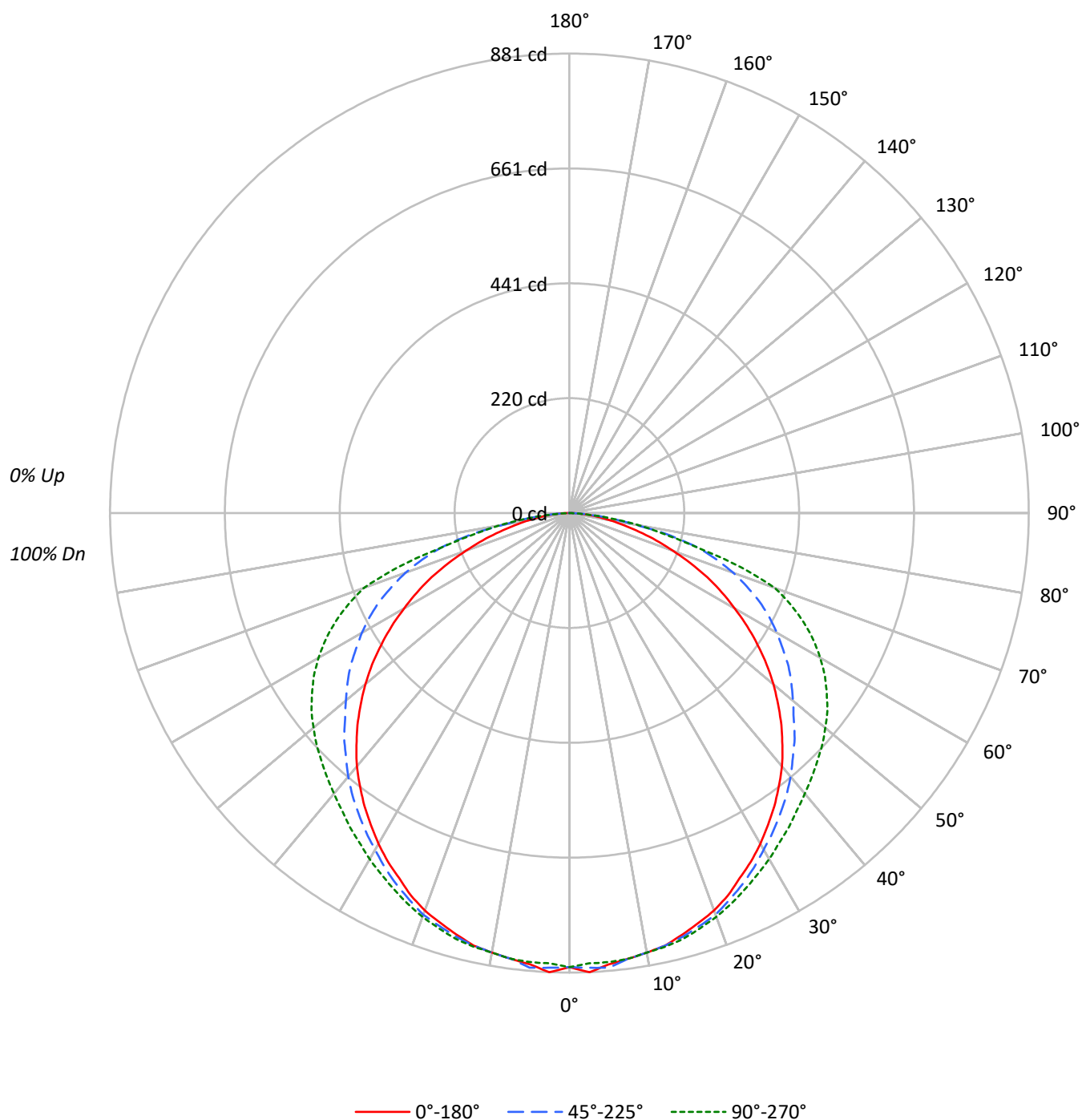
Input Watts (W): 40
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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				0
RW	70	50	30	10	70	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
1	108	103	99	95	105	101	97	93	97	93	90	93	90	87	89	87	85
2	98	89	82	76	95	87	81	75	84	78	73	80	76	71	77	73	70
3	89	78	69	62	86	76	68	62	73	66	61	70	64	59	68	63	58
4	81	68	59	52	79	67	58	52	64	57	51	62	56	50	60	54	50
5	74	61	52	45	72	60	51	44	58	50	44	56	49	43	54	48	43
6	68	55	45	39	66	54	45	39	52	44	38	50	43	38	48	42	37
7	63	49	40	34	62	49	40	34	47	39	34	45	39	33	44	38	33
8	59	45	36	30	57	44	36	30	43	35	30	42	35	30	40	34	29
9	55	41	33	27	54	41	33	27	39	32	27	38	32	27	37	31	27
10	51	38	30	24	50	37	30	24	36	29	24	35	29	24	35	28	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2342	2342	2342
5°	2336	2349	2324
10°	2317	2309	2317
15°	2300	2299	2323
20°	2281	2288	2317
25°	2242	2258	2310
30°	2211	2224	2314
35°	2175	2205	2331
40°	2138	2188	2368
45°	2083	2171	2438
50°	2018	2161	2531
55°	1929	2186	2638
60°	1813	2204	2751
65°	1677	2224	2852
70°	1458	2202	2901
75°	1212	2084	2201
80°	951	1389	1644
85°	670	727	752



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.7	3.0
10°-20°	237.4	8.7
20°-30°	361.7	13.2
30°-40°	442.6	16.1
40°-50°	476.2	17.4
50°-60°	461.3	16.8
60°-70°	390.8	14.3
70°-80°	236.2	8.6
80°-90°	51.9	1.9
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°	681.8	24.9
0°-40°	1124.3	41.0
0°-60°	2061.9	75.2
0°-90°	2740.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2740.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	870	870	870	870	870	
5°	868	868	875	870	864	83
15°	836	839	841	843	845	236
25°	773	777	785	792	796	357
35°	685	690	704	724	734	429
45°	575	585	611	649	673	443
55°	441	460	513	573	602	394
65°	292	324	402	466	496	287
75°	138	187	253	258	251	149
85°	34	40	43	40	38	39
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	870.5	870.5	870.5	870.5	870.5
2.5°	881.2	879.1	872.7	868.4	864.2
5°	868.4	868.4	874.8	870.5	864.2
7.5°	862.0	862.0	862.0	872.7	862.0
10°	855.6	857.8	855.6	864.2	855.6
12.5°	849.3	849.3	849.3	851.4	851.4
15°	836.5	838.6	840.7	842.9	845.0
17.5°	823.7	825.8	830.1	832.2	834.4
20°	810.9	813.1	819.5	819.5	823.7
22.5°	793.9	793.9	802.4	804.6	810.9
25°	772.6	776.9	785.4	791.8	796.0
27.5°	753.5	757.7	766.2	774.8	781.1
30°	732.2	736.4	745.0	757.7	766.2
32.5°	708.8	713.0	725.8	740.7	749.2
35°	685.4	689.6	704.5	723.7	734.3
37.5°	659.8	666.2	683.2	704.5	717.3
40°	634.3	640.7	659.8	683.2	702.4
42.5°	604.5	613.0	634.3	666.2	687.5
45°	574.7	585.3	610.9	649.2	672.6
47.5°	542.8	553.4	583.2	632.2	657.7
50°	510.8	523.6	559.8	613.0	640.7
52.5°	476.8	489.5	536.4	593.8	623.6
55°	440.6	459.7	513.0	572.6	602.4
57.5°	404.4	425.7	485.3	549.1	581.1
60°	366.1	391.6	459.7	523.6	555.5
62.5°	329.9	357.6	432.1	495.9	527.9
65°	291.6	323.5	402.3	466.1	495.9
67.5°	251.2	291.6	368.2	429.9	459.7
70°	210.7	257.5	334.2	391.6	419.3
72.5°	174.5	223.5	295.9	344.8	344.8
75°	138.3	187.3	253.3	257.5	251.2
77.5°	106.4	153.2	197.9	180.9	185.2
80°	78.8	117.1	125.6	132.0	136.2
82.5°	53.2	78.8	80.9	85.1	85.1
85°	34.1	40.4	42.6	40.4	38.3
87.5°	14.9	17.0	12.8	8.5	6.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)