

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-LD5-44-RDP-UNV-L840-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-LD5-44-RDP-UNV-L840-CD1-U
Description:

Light Source: -
Ballast/Driver: -

Summary

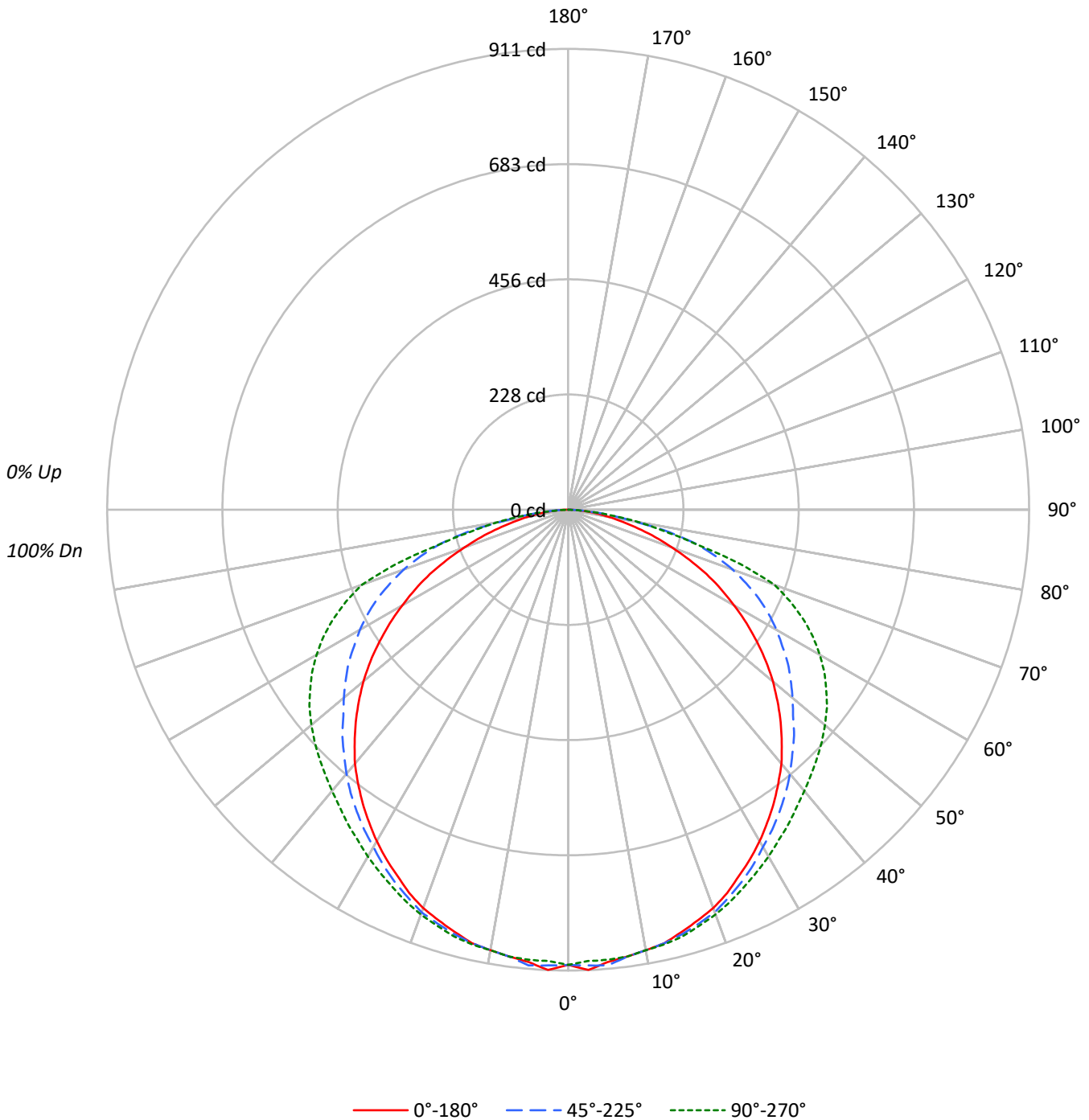
Lumens per Lamp: N/A
Luminaire Lumens: 2832.6 lumens
Efficiency: N/A
Efficacy: 67.8 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.1')
CIE Type: Direct

Input Watts (W): 41.8
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				10	0		
RW	70	50	30	10	70	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	105	101	97	93	97	93	90		93	90	87		89	87	85	83
2	98	89	82	76	95	87	81	75	84	78	73		80	76	71		77	73	70	68
3	89	78	69	62	86	76	68	62	73	66	61		70	64	59		68	63	58	56
4	81	68	59	52	79	67	58	52	64	57	51		62	56	50		60	54	50	47
5	74	61	52	45	72	60	51	44	58	50	44		56	49	43		54	48	43	41
6	68	55	45	39	66	54	45	39	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	29	28
9	55	41	33	27	54	41	33	27	39	32	27		38	32	27		37	31	27	25
10	51	38	30	24	50	37	30	24	36	29	24		35	29	24		35	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2421	2421	2421
5°	2414	2427	2402
10°	2395	2387	2395
15°	2377	2376	2401
20°	2357	2364	2394
25°	2317	2333	2387
30°	2285	2298	2392
35°	2248	2279	2409
40°	2210	2261	2447
45°	2153	2244	2519
50°	2086	2234	2616
55°	1994	2259	2726
60°	1874	2278	2844
65°	1733	2299	2948
70°	1507	2275	2998
75°	1253	2154	2275
80°	983	1436	1700
85°	692	751	778



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.4	3.0
10°-20°	245.3	8.7
20°-30°	373.8	13.2
30°-40°	457.4	16.1
40°-50°	492.2	17.4
50°-60°	476.8	16.8
60°-70°	403.9	14.3
70°-80°	244.2	8.6
80°-90°	53.6	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°	704.6	24.9
0°-40°	1162.0	41.0
0°-60°	2130.9	75.2
0°-90°	2832.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2832.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	900	900	900	900	900	
5°	898	898	904	900	893	85
15°	864	867	869	871	873	244
25°	798	803	812	818	823	369
35°	708	713	728	748	759	443
45°	594	605	631	671	695	458
55°	455	475	530	592	622	407
65°	301	334	416	482	513	297
75°	143	194	262	266	260	154
85°	35	42	44	42	40	40
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	899.7	899.7	899.7	899.7	899.7
2.5°	910.7	908.5	901.9	897.5	893.1
5°	897.5	897.5	904.1	899.7	893.1
7.5°	890.9	890.9	890.9	901.9	890.9
10°	884.3	886.5	884.3	893.1	884.3
12.5°	877.7	877.7	877.7	879.9	879.9
15°	864.5	866.7	868.9	871.1	873.3
17.5°	851.3	853.5	857.9	860.1	862.3
20°	838.1	840.3	846.9	846.9	851.3
22.5°	820.5	820.5	829.3	831.5	838.1
25°	798.5	802.9	811.7	818.3	822.7
27.5°	778.7	783.1	791.9	800.7	807.3
30°	756.7	761.1	769.9	783.1	791.9
32.5°	732.5	736.9	750.1	765.5	774.3
35°	708.3	712.7	728.1	747.9	758.9
37.5°	681.9	688.5	706.1	728.1	741.3
40°	655.5	662.1	681.9	706.1	725.9
42.5°	624.7	633.5	655.5	688.5	710.5
45°	593.9	604.9	631.3	670.9	695.1
47.5°	561.0	571.9	602.7	653.3	679.7
50°	528.0	541.2	578.5	633.5	662.1
52.5°	492.8	506.0	554.4	613.7	644.5
55°	455.4	475.2	530.2	591.7	622.5
57.5°	418.0	440.0	501.6	567.6	600.5
60°	378.4	404.8	475.2	541.2	574.1
62.5°	341.0	369.6	446.6	512.6	545.6
65°	301.4	334.4	415.8	481.8	512.6
67.5°	259.6	301.4	380.6	444.4	475.2
70°	217.8	266.2	345.4	404.8	433.4
72.5°	180.4	231.0	305.8	356.4	356.4
75°	143.0	193.6	261.8	266.2	259.6
77.5°	110.0	158.4	204.6	187.0	191.4
80°	81.4	121.0	129.8	136.4	140.8
82.5°	55.0	81.4	83.6	88.0	88.0
85°	35.2	41.8	44.0	41.8	39.6
87.5°	15.4	17.6	13.2	8.8	6.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)