

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-LD5-24-RDP-UNV-L830-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-LD5-24-RDP-UNV-L830-CD1-U
Description:

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1383.7 lumens
Efficiency: N/A
Efficacy: 70.5 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

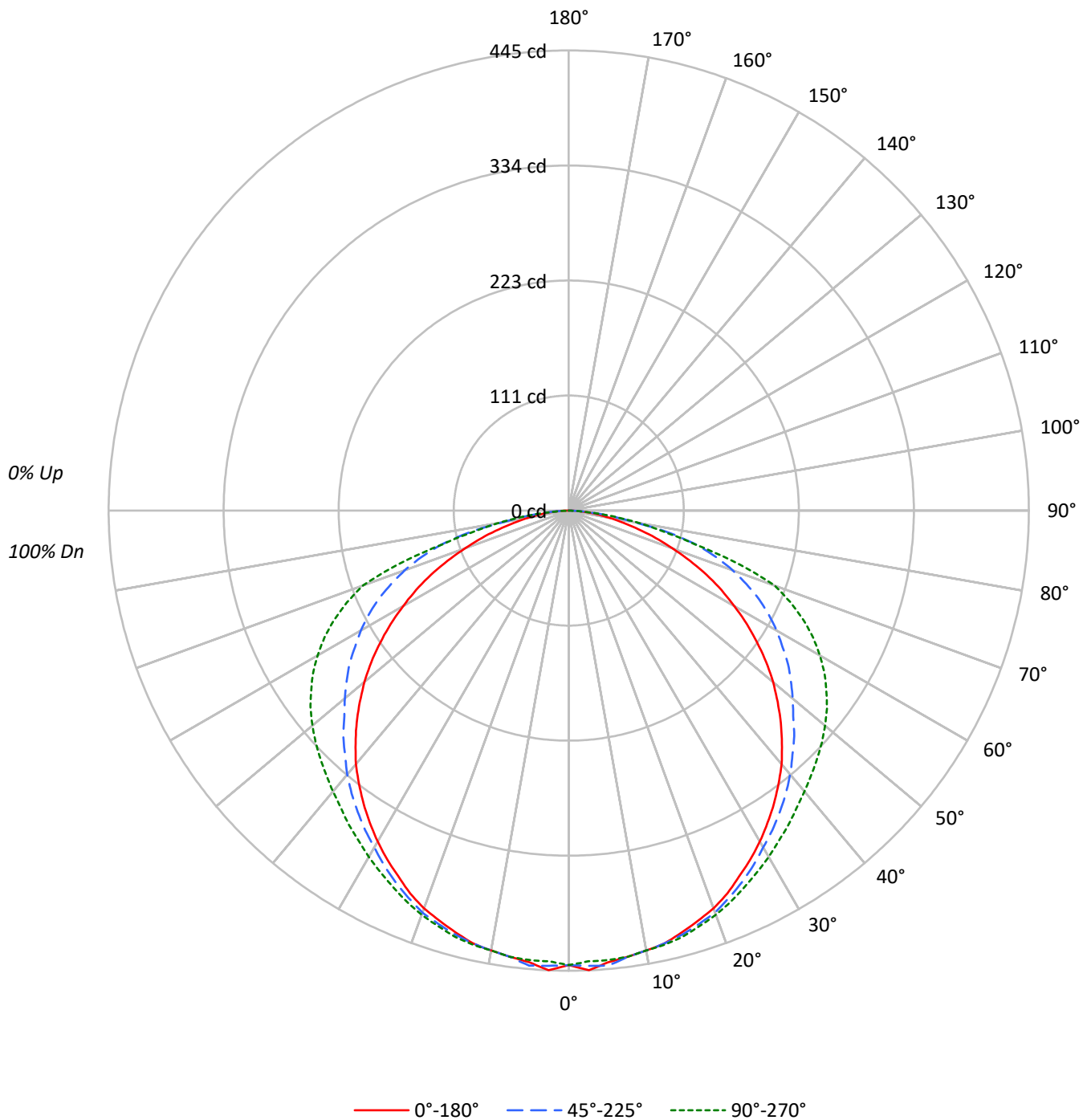
Input Watts (W): 19.62
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
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°	1183	1183	1183
5°	1179	1186	1173
10°	1170	1166	1170
15°	1161	1161	1173
20°	1151	1155	1170
25°	1132	1140	1166
30°	1116	1123	1168
35°	1098	1113	1177
40°	1080	1105	1195
45°	1051	1096	1231
50°	1019	1091	1278
55°	974	1104	1332
60°	916	1113	1389
65°	847	1123	1440
70°	736	1111	1464
75°	612	1052	1111
80°	481	701	831
85°	338	367	381



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.7	3.0
10°-20°	119.8	8.7
20°-30°	182.6	13.2
30°-40°	223.5	16.1
40°-50°	240.4	17.4
50°-60°	232.9	16.8
60°-70°	197.3	14.3
70°-80°	119.2	8.6
80°-90°	26.2	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°	344.2	24.9
0°-40°	567.7	41.0
0°-60°	1041.0	75.2
0°-90°	1383.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1383.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	440	440	440	440	440	
5°	438	438	442	440	436	42
15°	422	423	424	426	427	119
25°	390	392	396	400	402	180
35°	346	348	356	365	371	216
45°	290	296	308	328	340	224
55°	222	232	259	289	304	199
65°	147	163	203	235	250	145
75°	70	94	128	130	127	75
85°	17	20	22	20	19	19
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	439.5	439.5	439.5	439.5	439.5
2.5°	444.9	443.8	440.6	438.4	436.3
5°	438.4	438.4	441.7	439.5	436.3
7.5°	435.2	435.2	435.2	440.6	435.2
10°	432.0	433.1	432.0	436.3	432.0
12.5°	428.7	428.7	428.7	429.9	429.9
15°	422.4	423.4	424.5	425.5	426.6
17.5°	415.9	417.0	419.1	420.2	421.2
20°	409.4	410.5	413.7	413.7	415.9
22.5°	400.8	400.8	405.2	406.2	409.4
25°	390.1	392.3	396.5	399.8	401.9
27.5°	380.4	382.6	386.8	391.1	394.3
30°	369.6	371.8	376.1	382.6	386.8
32.5°	357.9	360.0	366.4	373.9	378.3
35°	346.0	348.2	355.7	365.4	370.8
37.5°	333.2	336.4	344.9	355.7	362.1
40°	320.2	323.5	333.2	344.9	354.6
42.5°	305.2	309.5	320.2	336.4	347.1
45°	290.1	295.5	308.4	327.8	339.6
47.5°	274.0	279.4	294.4	319.2	332.0
50°	257.9	264.4	282.6	309.5	323.5
52.5°	240.7	247.2	270.8	299.8	314.8
55°	222.5	232.1	259.0	289.1	304.1
57.5°	204.2	214.9	245.0	277.2	293.4
60°	184.9	197.7	232.1	264.4	280.4
62.5°	166.5	180.5	218.1	250.4	266.5
65°	147.2	163.3	203.1	235.3	250.4
67.5°	126.8	147.2	185.9	217.1	232.1
70°	106.4	130.1	168.7	197.7	211.7
72.5°	88.2	112.9	149.3	174.0	174.0
75°	69.8	94.5	127.9	130.1	126.8
77.5°	53.8	77.3	99.9	91.3	93.5
80°	39.8	59.1	63.4	66.6	68.8
82.5°	26.9	39.8	40.8	42.9	42.9
85°	17.2	20.4	21.5	20.4	19.4
87.5°	7.5	8.5	6.5	4.3	3.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)