

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: **24CZ-LD5-35-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: 24CZ-LD5-35-RDP-UNV-L830-CD1-U
Description:

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2057.6 lumens
Efficiency: N/A
Efficacy: 81.3 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 4' x H: 0.1')
CIE Type: Direct

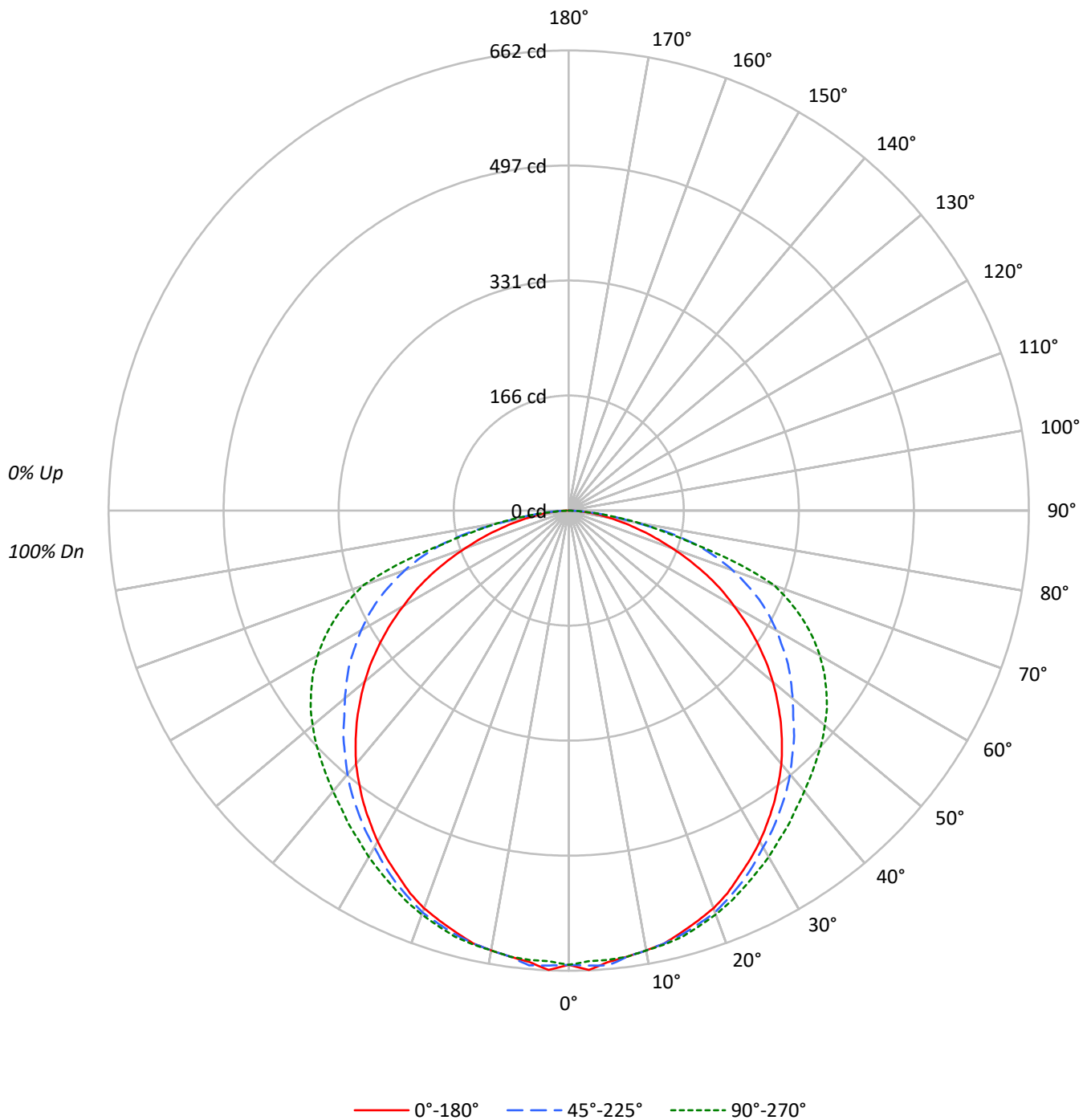
Input Watts (W): 25.32
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	879	879	879
5°	879	883	872
10°	874	870	870
15°	869	867	872
20°	864	864	870
25°	851	854	867
30°	842	843	869
35°	831	838	875
40°	819	833	889
45°	801	829	915
50°	780	827	950
55°	749	840	990
60°	709	851	1033
65°	661	863	1071
70°	582	862	1088
75°	494	825	826
80°	401	561	617
85°	307	307	283



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.0	3.0
10°-20°	178.2	8.7
20°-30°	271.6	13.2
30°-40°	332.3	16.1
40°-50°	357.5	17.4
50°-60°	346.3	16.8
60°-70°	293.4	14.3
70°-80°	177.3	8.6
80°-90°	39.0	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°	511.8	24.9
0°-40°	844.1	41.0
0°-60°	1547.9	75.2
0°-90°	2057.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2057.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	654	654	654	654	654	
5°	652	652	657	654	649	62
15°	628	630	631	633	634	177
25°	580	583	590	594	598	268
35°	514	518	529	543	551	322
45°	431	439	459	487	505	333
55°	331	345	385	430	452	295
65°	219	243	302	350	372	216
75°	104	141	190	193	189	112
85°	26	30	32	30	29	29
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	653.5	653.5	653.5	653.5	653.5
2.5°	661.5	660.0	655.1	651.9	648.8
5°	651.9	651.9	656.7	653.5	648.8
7.5°	647.1	647.1	647.1	655.1	647.1
10°	642.4	643.9	642.4	648.8	642.4
12.5°	637.5	637.5	637.5	639.2	639.2
15°	627.9	629.6	631.2	632.8	634.3
17.5°	618.4	620.0	623.2	624.8	626.3
20°	608.8	610.4	615.2	615.2	618.4
22.5°	596.0	596.0	602.4	604.0	608.8
25°	580.1	583.2	589.6	594.4	597.6
27.5°	565.6	568.9	575.2	581.6	586.4
30°	549.7	552.9	559.3	568.9	575.2
32.5°	532.1	535.3	544.9	556.0	562.5
35°	514.5	517.8	528.9	543.3	551.3
37.5°	495.3	500.2	512.9	528.9	538.5
40°	476.1	481.0	495.3	512.9	527.3
42.5°	453.8	460.2	476.1	500.2	516.1
45°	431.4	439.4	458.6	487.4	504.9
47.5°	407.5	415.4	437.9	474.5	493.7
50°	383.5	393.1	420.3	460.2	481.0
52.5°	358.0	367.6	402.7	445.8	468.2
55°	330.8	345.1	385.1	429.9	452.2
57.5°	303.6	319.6	364.3	412.3	436.2
60°	274.8	294.0	345.1	393.1	417.0
62.5°	247.7	268.5	324.3	372.3	396.2
65°	218.9	242.9	302.0	350.0	372.3
67.5°	188.6	218.9	276.4	322.8	345.1
70°	158.2	193.3	250.9	294.0	314.7
72.5°	131.0	167.8	222.1	258.9	258.9
75°	103.8	140.6	190.2	193.3	188.6
77.5°	79.9	115.0	148.6	135.8	139.0
80°	59.1	87.9	94.2	99.1	102.2
82.5°	39.9	59.1	60.7	63.9	63.9
85°	25.6	30.4	31.9	30.4	28.8
87.5°	11.2	12.8	9.6	6.4	4.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)