

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-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: 24CZ-LD5-35-RDP-UNV-L840-CD1-U
Description:

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2346.8 lumens
Efficiency: N/A
Efficacy: 92.7 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

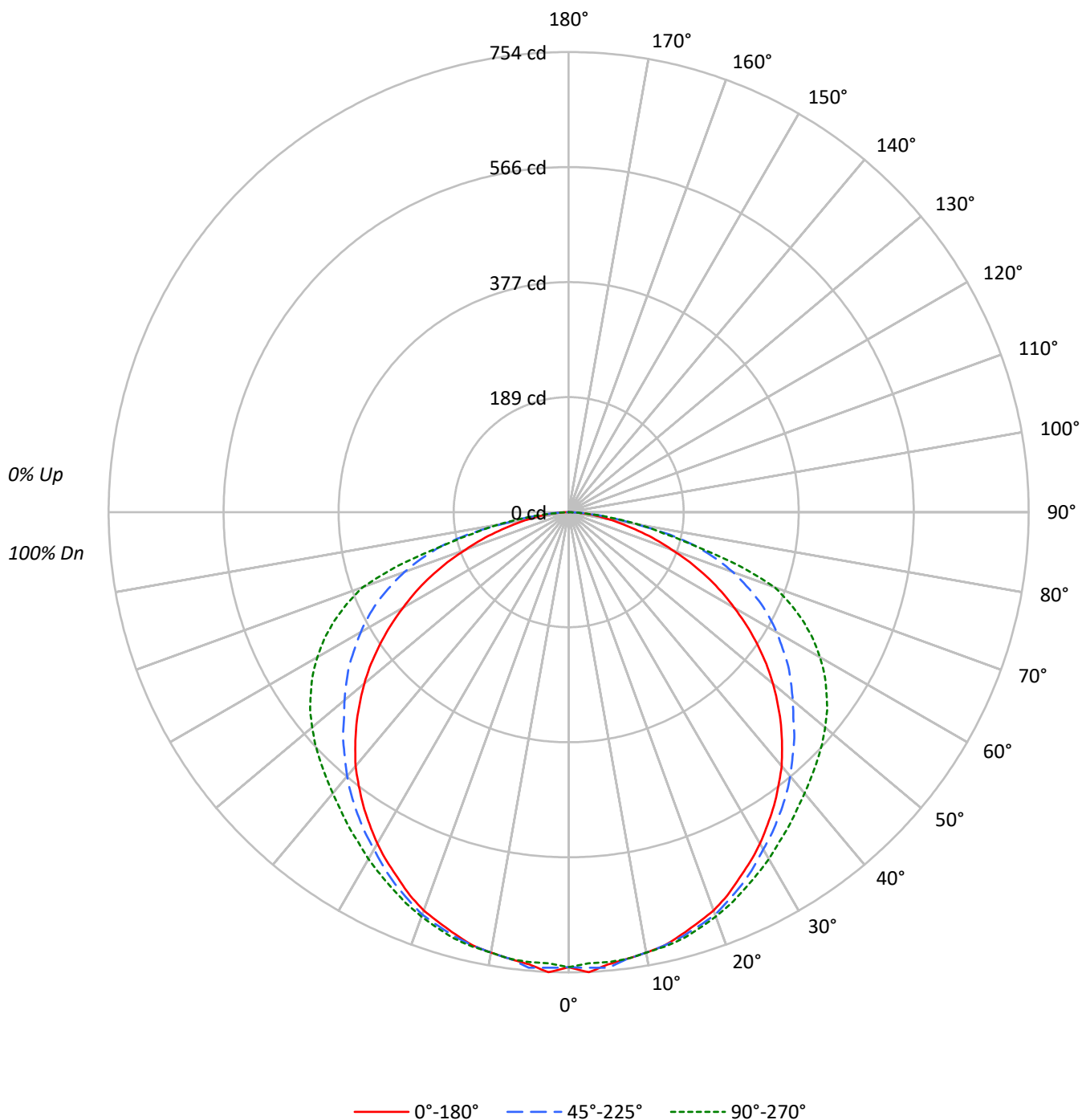
Input Watts (W): 25.32
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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				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°	1003	1003	1003
5°	1002	1007	995
10°	997	992	992
15°	991	989	994
20°	985	986	992
25°	971	974	989
30°	960	962	991
35°	947	955	998
40°	934	950	1014
45°	914	945	1044
50°	889	944	1084
55°	855	958	1129
60°	809	970	1178
65°	755	985	1221
70°	664	982	1242
75°	563	941	942
80°	457	640	704
85°	351	351	322



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.8	3.0
10°-20°	203.3	8.7
20°-30°	309.7	13.2
30°-40°	379.0	16.1
40°-50°	407.8	17.4
50°-60°	395.0	16.8
60°-70°	334.6	14.3
70°-80°	202.3	8.6
80°-90°	44.4	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°	583.8	24.9
0°-40°	962.7	41.0
0°-60°	1765.5	75.2
0°-90°	2346.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2346.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	745	745	745	745	745	
5°	744	744	749	745	740	71
15°	716	718	720	722	724	202
25°	662	665	672	678	682	305
35°	587	590	603	620	629	367
45°	492	501	523	556	576	379
55°	377	394	439	490	516	337
65°	250	277	344	399	425	246
75°	118	160	217	220	215	127
85°	29	35	36	35	33	33
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	745.4	745.4	745.4	745.4	745.4
2.5°	754.5	752.7	747.2	743.6	739.9
5°	743.6	743.6	749.1	745.4	739.9
7.5°	738.1	738.1	738.1	747.2	738.1
10°	732.7	734.5	732.7	739.9	732.7
12.5°	727.2	727.2	727.2	729.0	729.0
15°	716.3	718.1	719.9	721.7	723.5
17.5°	705.3	707.1	710.8	712.6	714.4
20°	694.4	696.2	701.7	701.7	705.3
22.5°	679.8	679.8	687.1	688.9	694.4
25°	661.6	665.2	672.5	678.0	681.6
27.5°	645.2	648.8	656.1	663.4	668.9
30°	627.0	630.6	637.9	648.8	656.1
32.5°	606.9	610.5	621.5	634.2	641.5
35°	586.9	590.5	603.3	619.7	628.8
37.5°	565.0	570.5	585.0	603.3	614.2
40°	543.1	548.6	565.0	585.0	601.4
42.5°	517.6	524.9	543.1	570.5	588.7
45°	492.1	501.2	523.1	555.9	575.9
47.5°	464.7	473.9	499.4	541.3	563.2
50°	437.4	448.3	479.3	524.9	548.6
52.5°	408.2	419.2	459.3	508.5	534.0
55°	377.3	393.7	439.2	490.3	515.8
57.5°	346.3	364.5	415.5	470.2	497.6
60°	313.5	335.3	393.7	448.3	475.7
62.5°	282.5	306.2	370.0	424.6	452.0
65°	249.7	277.0	344.5	399.1	424.6
67.5°	215.1	249.7	315.3	368.2	393.7
70°	180.4	220.5	286.1	335.3	359.0
72.5°	149.4	191.4	253.3	295.3	295.3
75°	118.5	160.4	216.9	220.5	215.1
77.5°	91.1	131.2	169.5	154.9	158.6
80°	67.4	100.2	107.5	113.0	116.6
82.5°	45.6	67.4	69.3	72.9	72.9
85°	29.2	34.6	36.5	34.6	32.8
87.5°	12.8	14.6	10.9	7.3	5.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)