

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-SQP-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: 24CZ-LD5-35-SQP-UNV-L835-CD1-U
Description:

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2413.7 lumens
Efficiency: N/A
Efficacy: 95.3 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

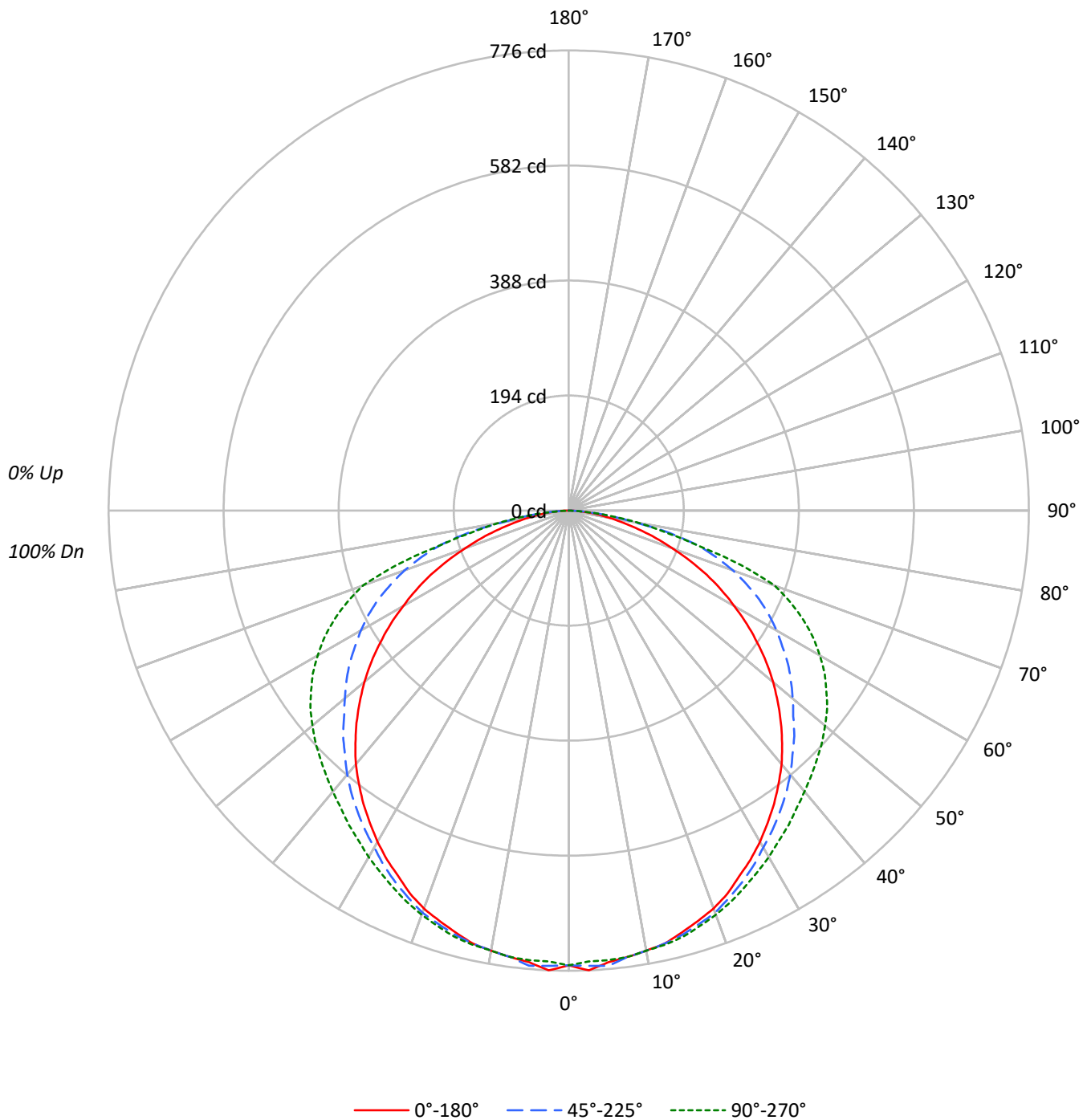
Input Watts (W): 25.32
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1032	1032	1032
5°	1031	1036	1023
10°	1025	1020	1020
15°	1019	1017	1023
20°	1013	1014	1020
25°	998	1002	1017
30°	988	989	1019
35°	974	983	1026
40°	961	977	1043
45°	940	972	1073
50°	914	971	1115
55°	879	985	1162
60°	832	998	1212
65°	776	1013	1256
70°	683	1011	1277
75°	579	968	969
80°	471	659	724
85°	360	360	331



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.8	3.0
10°-20°	209.0	8.7
20°-30°	318.6	13.2
30°-40°	389.8	16.1
40°-50°	419.4	17.4
50°-60°	406.3	16.8
60°-70°	344.1	14.3
70°-80°	208.0	8.6
80°-90°	45.7	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°	600.4	24.9
0°-40°	990.2	41.0
0°-60°	1815.8	75.2
0°-90°	2413.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2413.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	767	767	767	767	767	
5°	765	765	770	767	761	73
15°	737	738	740	742	744	208
25°	680	684	692	697	701	314
35°	604	607	620	637	647	378
45°	506	516	538	572	592	390
55°	388	405	452	504	530	347
65°	257	285	354	410	437	253
75°	122	165	223	227	221	131
85°	30	36	38	36	34	34
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	766.7	766.7	766.7	766.7	766.7
2.5°	776.0	774.2	768.5	764.8	761.0
5°	764.8	764.8	770.4	766.7	761.0
7.5°	759.2	759.2	759.2	768.5	759.2
10°	753.5	755.4	753.5	761.0	753.5
12.5°	747.9	747.9	747.9	749.8	749.8
15°	736.7	738.5	740.4	742.3	744.2
17.5°	725.4	727.3	731.0	732.9	734.8
20°	714.2	716.0	721.7	721.7	725.4
22.5°	699.2	699.2	706.7	708.6	714.2
25°	680.4	684.2	691.7	697.3	701.1
27.5°	663.6	667.3	674.8	682.3	687.9
30°	644.8	648.6	656.1	667.3	674.8
32.5°	624.2	627.9	639.2	652.3	659.8
35°	603.6	607.3	620.5	637.3	646.7
37.5°	581.1	586.7	601.7	620.5	631.7
40°	558.6	564.2	581.1	601.7	618.6
42.5°	532.4	539.8	558.6	586.7	605.5
45°	506.1	515.5	538.0	571.7	592.3
47.5°	478.0	487.4	513.6	556.7	579.2
50°	449.9	461.1	493.0	539.8	564.2
52.5°	419.9	431.1	472.4	523.0	549.2
55°	388.0	404.9	451.7	504.2	530.5
57.5°	356.2	374.9	427.4	483.6	511.7
60°	322.4	344.9	404.9	461.1	489.2
62.5°	290.5	314.9	380.5	436.8	464.9
65°	256.8	284.9	354.3	410.5	436.8
67.5°	221.2	256.8	324.3	378.6	404.9
70°	185.6	226.8	294.3	344.9	369.3
72.5°	153.7	196.8	260.6	303.7	303.7
75°	121.8	165.0	223.1	226.8	221.2
77.5°	93.7	135.0	174.3	159.3	163.1
80°	69.4	103.1	110.6	116.2	120.0
82.5°	46.9	69.4	71.2	75.0	75.0
85°	30.0	35.6	37.5	35.6	33.7
87.5°	13.1	15.0	11.2	7.5	5.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)