

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-LD5-30SE-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-LD5-30SE-RDP-UNV-L830-CD1-U
Description:

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1800.2 lumens
Efficiency: N/A
Efficacy: 76.6 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

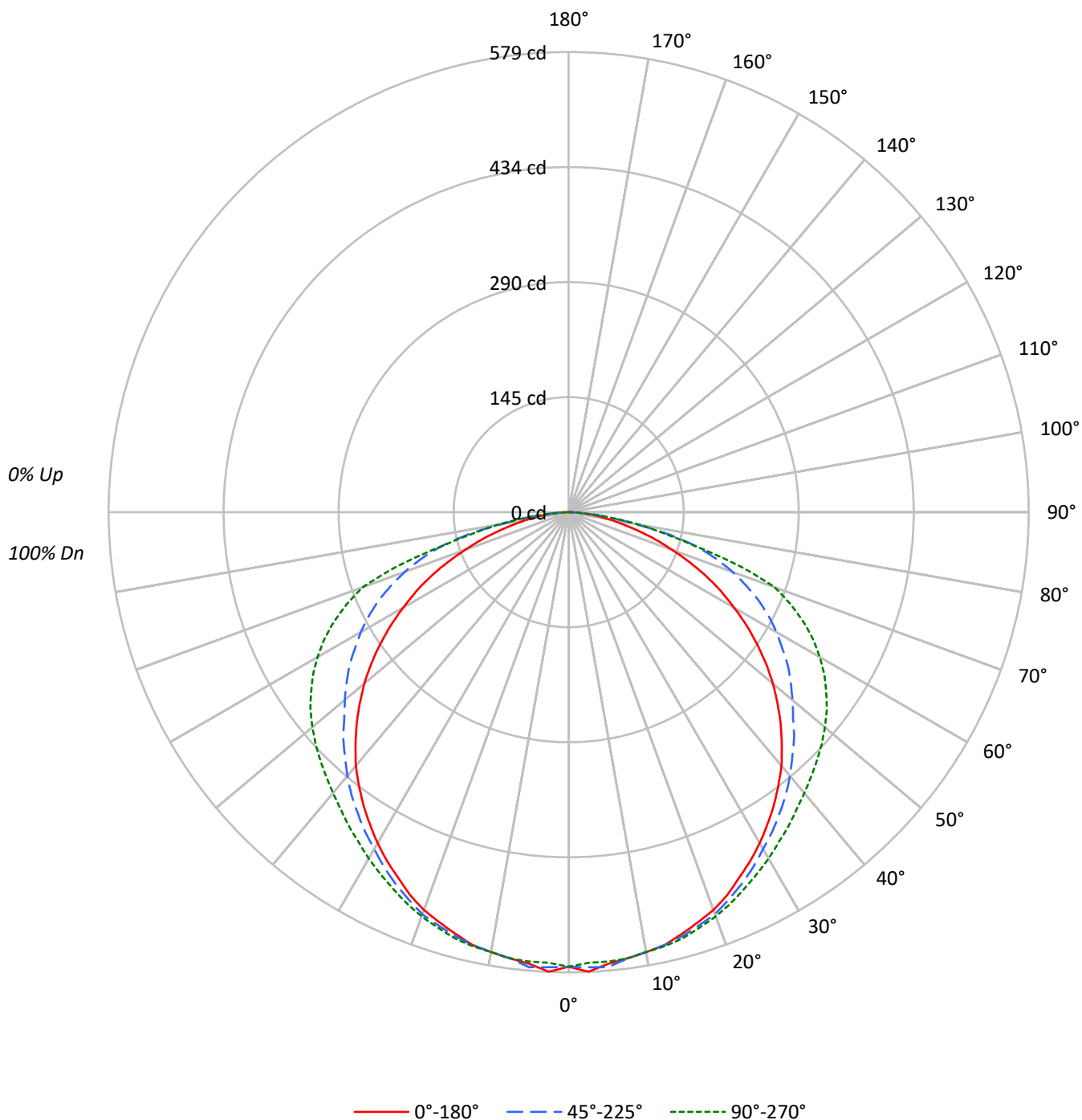
Input Watts (W): 23.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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		0
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		100
1	108	103	99	95	105	101	97	93	97	93	90		93	90	87		83
2	98	89	82	76	95	87	81	75	84	78	73		80	76	71		68
3	89	78	69	62	86	76	68	62	73	66	61		70	64	59		56
4	81	68	59	52	79	67	58	52	64	57	51		62	56	50		47
5	74	61	52	45	72	60	51	44	58	50	44		56	49	43		41
6	68	55	45	39	66	54	45	39	52	44	38		50	43	38		35
7	63	49	40	34	62	49	40	34	47	39	34		45	39	33		31
8	59	45	36	30	57	44	36	30	43	35	30		42	35	30		28
9	55	41	33	27	54	41	33	27	39	32	27		38	32	27		25
10	51	38	30	24	50	37	30	24	36	29	24		35	29	24		22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	769	769	769
5°	769	772	763
10°	764	761	761
15°	760	758	763
20°	756	756	761
25°	745	747	759
30°	737	738	760
35°	727	733	765
40°	717	729	778
45°	701	725	801
50°	682	724	831
55°	655	735	866
60°	620	744	904
65°	579	755	937
70°	509	753	953
75°	432	722	722
80°	351	491	540
85°	268	268	248



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.3	3.0
10°-20°	155.9	8.7
20°-30°	237.6	13.2
30°-40°	290.7	16.1
40°-50°	312.8	17.4
50°-60°	303.0	16.8
60°-70°	256.7	14.3
70°-80°	155.2	8.6
80°-90°	34.1	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°	447.8	24.9
0°-40°	738.5	41.0
0°-60°	1354.3	75.2
0°-90°	1800.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1800.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	572	572	572	572	572	
5°	570	570	575	572	568	54
15°	549	551	552	554	555	155
25°	508	510	516	520	523	234
35°	450	453	463	475	482	282
45°	377	384	401	426	442	291
55°	289	302	337	376	396	258
65°	192	212	264	306	326	189
75°	91	123	166	169	165	98
85°	22	27	28	27	25	25
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	571.8	571.8	571.8	571.8	571.8
2.5°	578.7	577.4	573.2	570.4	567.6
5°	570.4	570.4	574.6	571.8	567.6
7.5°	566.2	566.2	566.2	573.2	566.2
10°	562.0	563.4	562.0	567.6	562.0
12.5°	557.8	557.8	557.8	559.2	559.2
15°	549.4	550.8	552.2	553.7	555.0
17.5°	541.0	542.4	545.2	546.6	548.1
20°	532.7	534.1	538.3	538.3	541.0
22.5°	521.5	521.5	527.1	528.5	532.7
25°	507.5	510.2	515.8	520.0	522.9
27.5°	494.9	497.7	503.3	508.9	513.1
30°	480.9	483.7	489.3	497.7	503.3
32.5°	465.5	468.4	476.7	486.5	492.1
35°	450.2	453.0	462.7	475.3	482.3
37.5°	433.4	437.6	448.8	462.7	471.1
40°	416.6	420.8	433.4	448.8	461.3
42.5°	397.0	402.6	416.6	437.6	451.5
45°	377.4	384.5	401.3	426.4	441.8
47.5°	356.5	363.5	383.0	415.2	432.0
50°	335.5	343.9	367.6	402.6	420.8
52.5°	313.1	321.6	352.3	390.1	409.6
55°	289.4	302.0	337.0	376.1	395.7
57.5°	265.6	279.6	318.7	360.7	381.6
60°	240.4	257.3	302.0	343.9	364.9
62.5°	216.7	234.8	283.8	325.8	346.8
65°	191.5	212.5	264.2	306.2	325.8
67.5°	164.9	191.5	241.9	282.4	302.0
70°	138.4	169.2	219.4	257.3	275.4
72.5°	114.7	146.8	194.4	226.5	226.5
75°	90.9	123.0	166.3	169.2	164.9
77.5°	69.9	100.7	130.1	118.8	121.6
80°	51.7	76.9	82.5	86.6	89.5
82.5°	35.0	51.7	53.1	56.0	56.0
85°	22.3	26.6	27.9	26.6	25.2
87.5°	9.8	11.2	8.4	5.6	4.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)