

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-LD5-60-RDP-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-LD5-60-RDP-UNV-L835-CD1-U
Description:

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4016.2 lumens
Efficiency: N/A
Efficacy: 77.0 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

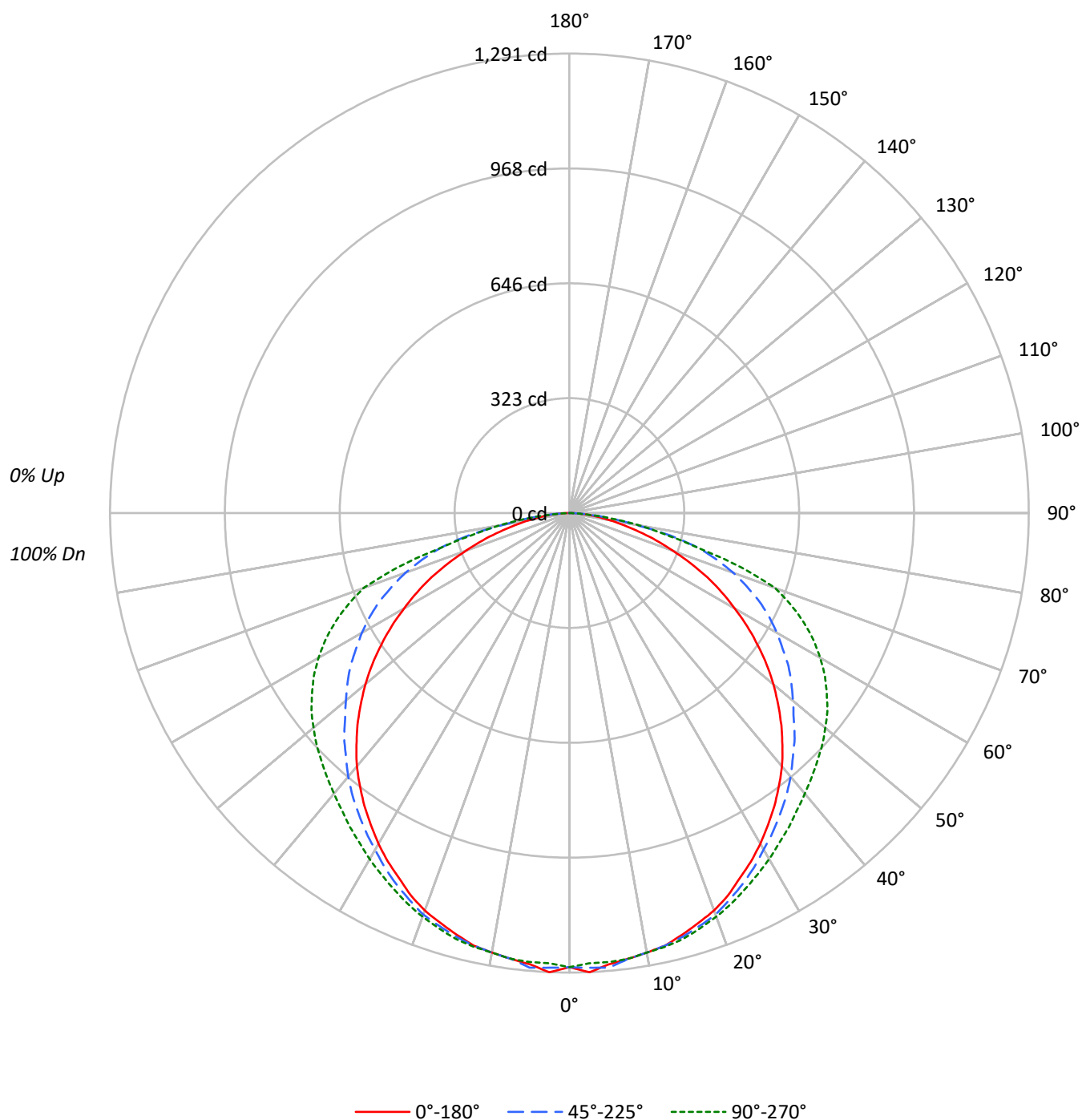
Input Watts (W): 52.17
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1716	1716	1716
5°	1715	1723	1703
10°	1705	1697	1698
15°	1696	1692	1702
20°	1686	1687	1697
25°	1661	1667	1692
30°	1643	1646	1695
35°	1621	1635	1708
40°	1599	1626	1735
45°	1563	1617	1786
50°	1522	1615	1855
55°	1462	1639	1933
60°	1384	1660	2016
65°	1291	1685	2090
70°	1137	1681	2125
75°	964	1611	1612
80°	783	1096	1205
85°	599	600	551



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.1	3.0
10°-20°	347.8	8.7
20°-30°	530.1	13.2
30°-40°	648.6	16.1
40°-50°	697.8	17.4
50°-60°	676.0	16.8
60°-70°	572.6	14.3
70°-80°	346.1	8.6
80°-90°	76.1	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°	999.0	24.9
0°-40°	1647.6	41.0
0°-60°	3021.4	75.2
0°-90°	4016.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4016.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1276	1276	1276	1276	1276	
5°	1272	1272	1282	1276	1266	121
15°	1226	1229	1232	1235	1238	346
25°	1132	1138	1151	1160	1166	523
35°	1004	1010	1032	1060	1076	628
45°	842	858	895	951	986	649
55°	646	674	752	839	883	577
65°	427	474	590	683	727	421
75°	203	274	371	377	368	218
85°	50	59	62	59	56	56
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1275.7	1275.7	1275.7	1275.7	1275.7
2.5°	1291.3	1288.1	1278.8	1272.5	1266.3
5°	1272.5	1272.5	1281.9	1275.7	1266.3
7.5°	1263.2	1263.2	1263.2	1278.8	1263.2
10°	1253.8	1256.9	1253.8	1266.3	1253.8
12.5°	1244.5	1244.5	1244.5	1247.6	1247.6
15°	1225.8	1228.9	1232.0	1235.1	1238.2
17.5°	1207.0	1210.2	1216.4	1219.5	1222.6
20°	1188.3	1191.4	1200.8	1200.8	1207.0
22.5°	1163.4	1163.4	1175.8	1179.0	1188.3
25°	1132.2	1138.4	1150.9	1160.3	1166.5
27.5°	1104.1	1110.4	1122.8	1135.3	1144.7
30°	1072.9	1079.2	1091.6	1110.4	1122.8
32.5°	1038.6	1044.9	1063.6	1085.4	1097.9
35°	1004.3	1010.5	1032.4	1060.4	1076.0
37.5°	966.9	976.2	1001.2	1032.4	1051.1
40°	929.5	938.8	966.9	1001.2	1029.3
42.5°	885.8	898.3	929.5	976.2	1007.4
45°	842.1	857.7	895.1	951.3	985.6
47.5°	795.3	810.9	854.6	926.3	963.8
50°	748.6	767.3	820.3	898.3	938.8
52.5°	698.6	717.4	786.0	870.2	913.9
55°	645.6	673.7	751.7	839.0	882.7
57.5°	592.6	623.8	711.1	804.7	851.5
60°	536.5	573.9	673.7	767.3	814.0
62.5°	483.4	524.0	633.1	726.7	773.5
65°	427.3	474.1	589.5	683.1	726.7
67.5°	368.0	427.3	539.6	630.0	673.7
70°	308.8	377.4	489.7	573.9	614.4
72.5°	255.8	327.5	433.5	505.3	505.3
75°	202.7	274.5	371.2	377.4	368.0
77.5°	155.9	224.6	290.1	265.1	271.3
80°	115.4	171.5	184.0	193.4	199.6
82.5°	78.0	115.4	118.5	124.8	124.8
85°	49.9	59.3	62.4	59.3	56.1
87.5°	21.8	25.0	18.7	12.5	9.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)