

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: **22CZ-LD5-24SE-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: 22CZ-LD5-24SE-RDP-UNV-L835-CD1-U
Description:

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1545.5 lumens
Efficiency: N/A
Efficacy: 73.2 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.1')
CIE Type: Direct

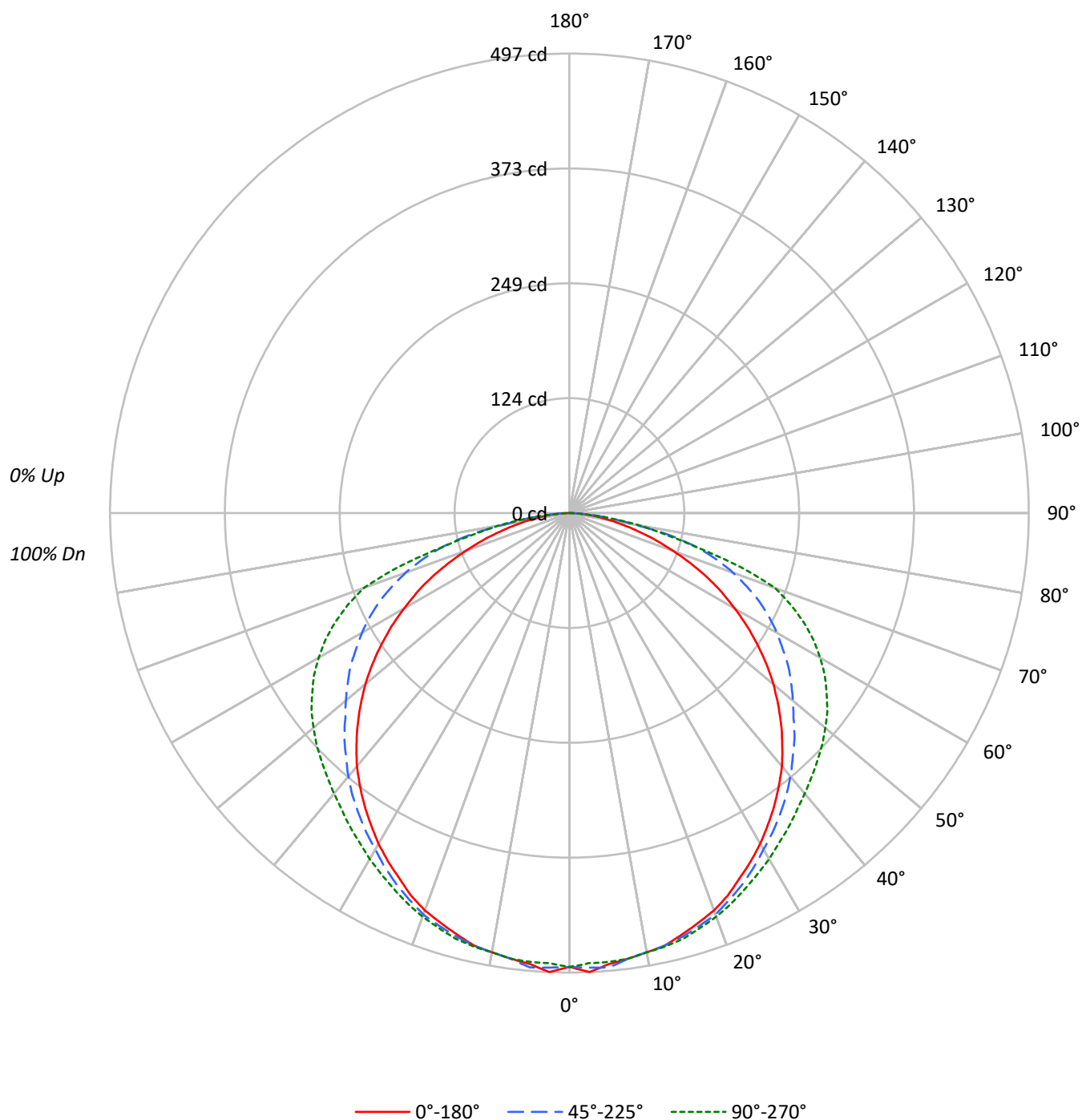
Input Watts (W): 21.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1321	1321	1321
5°	1317	1324	1311
10°	1307	1302	1307
15°	1297	1296	1310
20°	1286	1290	1306
25°	1264	1273	1302
30°	1247	1254	1305
35°	1227	1244	1314
40°	1206	1234	1335
45°	1175	1224	1375
50°	1138	1219	1427
55°	1088	1232	1488
60°	1022	1243	1552
65°	945	1254	1608
70°	822	1241	1635
75°	683	1175	1241
80°	536	783	927
85°	377	410	424



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.6	3.0
10°-20°	133.9	8.7
20°-30°	204.0	13.2
30°-40°	249.6	16.1
40°-50°	268.6	17.4
50°-60°	260.1	16.8
60°-70°	220.3	14.3
70°-80°	133.2	8.6
80°-90°	29.3	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°	384.4	24.9
0°-40°	634.0	41.0
0°-60°	1162.7	75.2
0°-90°	1545.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1545.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	491	491	491	491	491	
5°	490	490	493	491	487	47
15°	472	473	474	475	476	133
25°	436	438	443	446	449	201
35°	386	389	397	408	414	242
45°	324	330	344	366	379	250
55°	248	259	289	323	340	222
65°	164	182	227	263	280	162
75°	78	106	143	145	142	84
85°	19	23	24	23	22	22
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	490.9	490.9	490.9	490.9	490.9
2.5°	496.9	495.7	492.1	489.7	487.3
5°	489.7	489.7	493.3	490.9	487.3
7.5°	486.1	486.1	486.1	492.1	486.1
10°	482.5	483.7	482.5	487.3	482.5
12.5°	478.9	478.9	478.9	480.1	480.1
15°	471.7	472.9	474.1	475.3	476.5
17.5°	464.5	465.7	468.1	469.3	470.5
20°	457.3	458.5	462.1	462.1	464.5
22.5°	447.7	447.7	452.5	453.7	457.3
25°	435.7	438.1	442.9	446.5	448.9
27.5°	424.9	427.3	432.1	436.9	440.5
30°	412.9	415.3	420.1	427.3	432.1
32.5°	399.7	402.1	409.3	417.7	422.5
35°	386.5	388.9	397.3	408.1	414.1
37.5°	372.1	375.7	385.3	397.3	404.5
40°	357.7	361.3	372.1	385.3	396.1
42.5°	340.9	345.7	357.7	375.7	387.7
45°	324.1	330.1	344.5	366.1	379.3
47.5°	306.1	312.1	328.9	356.5	370.9
50°	288.0	295.3	315.7	345.7	361.3
52.5°	268.8	276.0	302.5	334.9	351.7
55°	248.4	259.2	289.2	322.9	339.7
57.5°	228.0	240.0	273.6	309.7	327.7
60°	206.4	220.8	259.2	295.3	313.3
62.5°	186.0	201.6	243.6	279.6	297.7
65°	164.4	182.4	226.8	262.8	279.6
67.5°	141.6	164.4	207.6	242.4	259.2
70°	118.8	145.2	188.4	220.8	236.4
72.5°	98.4	126.0	166.8	194.4	194.4
75°	78.0	105.6	142.8	145.2	141.6
77.5°	60.0	86.4	111.6	102.0	104.4
80°	44.4	66.0	70.8	74.4	76.8
82.5°	30.0	44.4	45.6	48.0	48.0
85°	19.2	22.8	24.0	22.8	21.6
87.5°	8.4	9.6	7.2	4.8	3.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)