

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-LD5-24-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-LD5-24-RDP-UNV-L835-CD1-U
Description:

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1547.4 lumens
Efficiency: N/A
Efficacy: 78.9 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

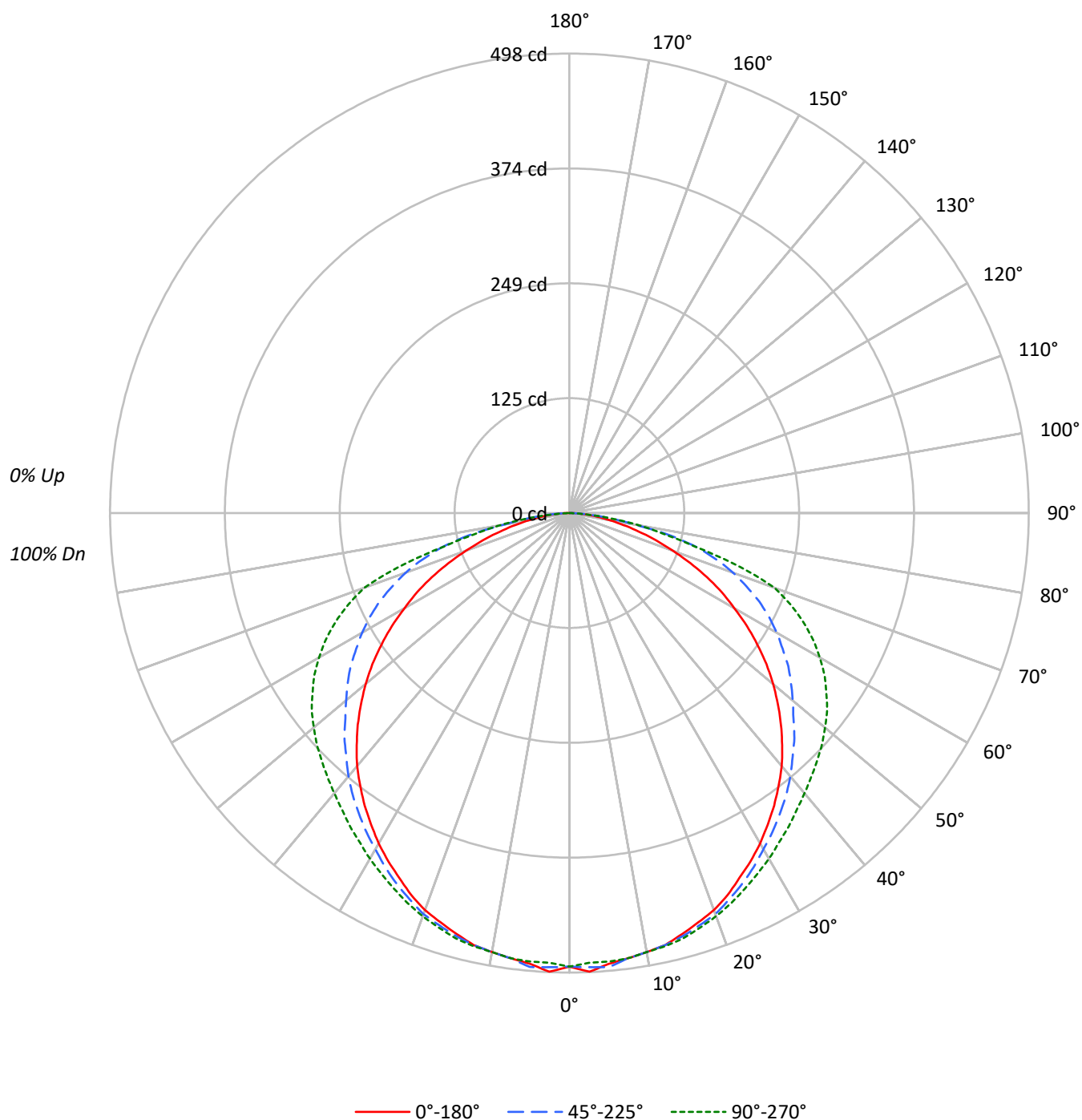
Input Watts (W): 19.62
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0			
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	108	103	99	95	105	101	97	93	97	93	90	93	90	87	89	87	85	83			
2	98	89	82	76	95	87	81	75	84	78	73	80	76	71	77	73	70	68			
3	89	78	69	62	86	76	68	62	73	66	61	70	64	59	68	63	58	56			
4	81	68	59	52	79	67	58	52	64	57	51	62	56	50	60	54	50	47			
5	74	61	52	45	72	60	51	44	58	50	44	56	49	43	54	48	43	41			
6	68	55	45	39	66	54	45	39	52	44	38	50	43	38	48	42	37	35			
7	63	49	40	34	62	49	40	34	47	39	34	45	39	33	44	38	33	31			
8	59	45	36	30	57	44	36	30	43	35	30	42	35	30	40	34	29	28			
9	55	41	33	27	54	41	33	27	39	32	27	38	32	27	37	31	27	25			
10	51	38	30	24	50	37	30	24	36	29	24	35	29	24	35	28	24	22			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1323	1323	1323
5°	1319	1326	1312
10°	1309	1304	1309
15°	1298	1298	1312
20°	1288	1291	1308
25°	1266	1275	1304
30°	1249	1256	1306
35°	1228	1245	1316
40°	1207	1235	1337
45°	1176	1226	1376
50°	1139	1220	1429
55°	1089	1234	1489
60°	1024	1245	1553
65°	947	1256	1610
70°	823	1243	1637
75°	684	1176	1242
80°	537	784	928
85°	377	410	424



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.7	3.0
10°-20°	134.0	8.7
20°-30°	204.2	13.2
30°-40°	249.9	16.1
40°-50°	268.9	17.4
50°-60°	260.4	16.8
60°-70°	220.6	14.3
70°-80°	133.4	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°	384.9	24.9
0°-40°	634.8	41.0
0°-60°	1164.1	75.2
0°-90°	1547.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1547.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	492	492	492	492	492	
5°	490	490	494	492	488	47
15°	472	474	475	476	477	133
25°	436	439	443	447	449	201
35°	387	389	398	409	415	242
45°	324	330	345	366	380	250
55°	249	260	290	323	340	222
65°	165	183	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°	491.5	491.5	491.5	491.5	491.5
2.5°	497.5	496.3	492.7	490.3	487.9
5°	490.3	490.3	493.9	491.5	487.9
7.5°	486.7	486.7	486.7	492.7	486.7
10°	483.1	484.3	483.1	487.9	483.1
12.5°	479.5	479.5	479.5	480.7	480.7
15°	472.3	473.5	474.7	475.9	477.1
17.5°	465.0	466.2	468.6	469.9	471.1
20°	457.8	459.0	462.6	462.6	465.0
22.5°	448.2	448.2	453.0	454.2	457.8
25°	436.2	438.6	443.4	447.0	449.4
27.5°	425.4	427.8	432.6	437.4	441.0
30°	413.4	415.8	420.6	427.8	432.6
32.5°	400.2	402.6	409.8	418.2	423.0
35°	386.9	389.3	397.8	408.6	414.6
37.5°	372.5	376.1	385.7	397.8	405.0
40°	358.1	361.7	372.5	385.7	396.5
42.5°	341.3	346.1	358.1	376.1	388.1
45°	324.4	330.5	344.9	366.5	379.7
47.5°	306.4	312.4	329.3	356.9	371.3
50°	288.4	295.6	316.0	346.1	361.7
52.5°	269.2	276.4	302.8	335.3	352.1
55°	248.7	259.6	289.6	323.2	340.1
57.5°	228.3	240.3	274.0	310.0	328.1
60°	206.7	221.1	259.6	295.6	313.6
62.5°	186.3	201.9	243.9	280.0	298.0
65°	164.6	182.7	227.1	263.2	280.0
67.5°	141.8	164.6	207.9	242.7	259.6
70°	119.0	145.4	188.7	221.1	236.7
72.5°	98.5	126.2	167.0	194.7	194.7
75°	78.1	105.7	143.0	145.4	141.8
77.5°	60.1	86.5	111.8	102.1	104.5
80°	44.5	66.1	70.9	74.5	76.9
82.5°	30.0	44.5	45.7	48.1	48.1
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)