

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: P475030

Luminaire Tested: **22CZ2-34HE-RDP-UNV-L835-CD1-U**

Issue Date: 02/10/2021

Test Information

Test Method: LM-79-08
Report Number: P475030
Test Lab: INNOVATION CENTER(G3)
Issue Date: 02/10/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22CZ2-34HE-RDP-UNV-L835-CD1-U
Description: 2'X2' TROFFER LED MODULE, HIGH EFFICIENCY,SMOOTH LENS W/ RDP INSERT
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

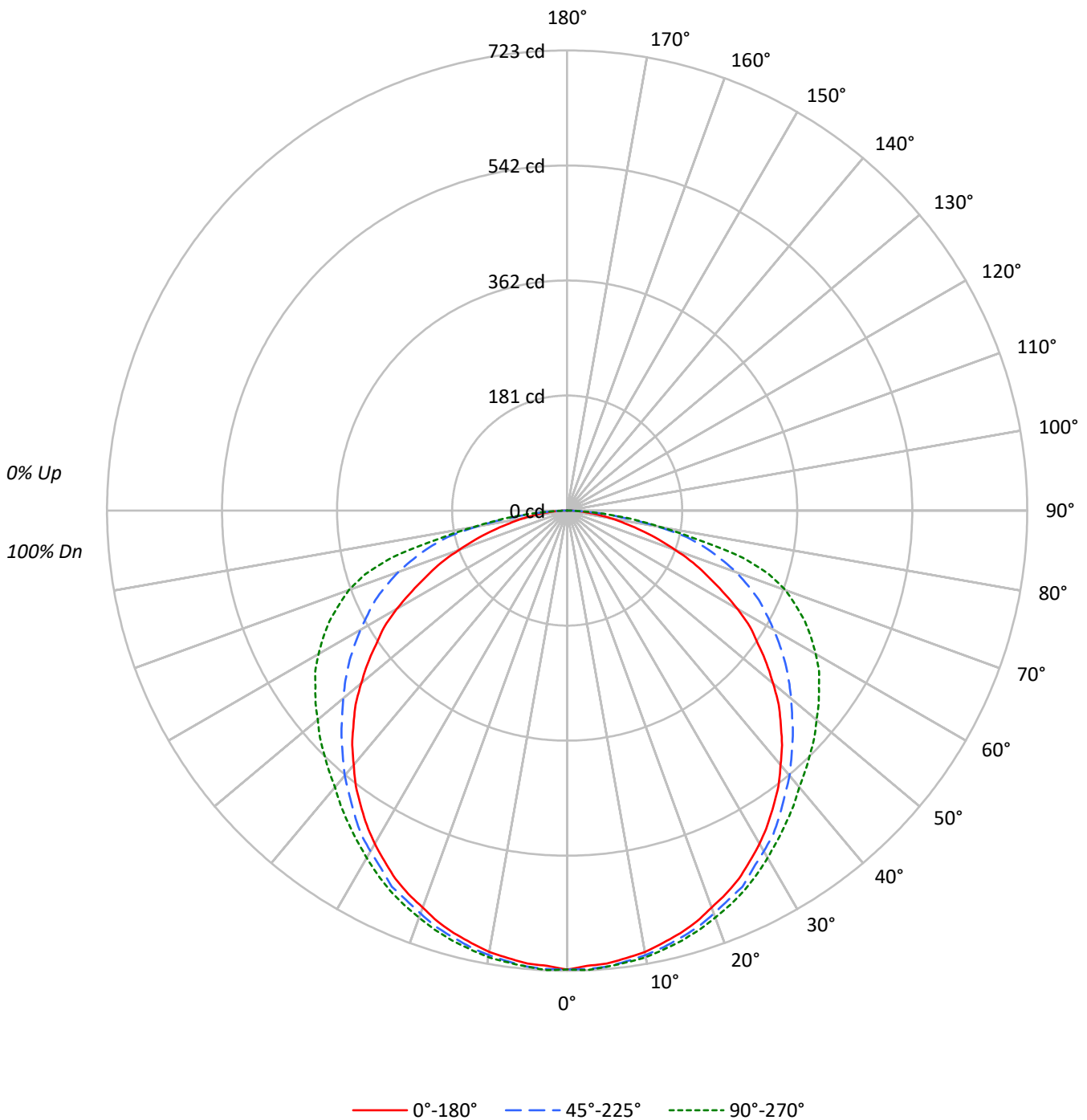
Lumens per Lamp: N/A
Luminaire Lumens: 2295.5 lumens
Efficiency: N/A
Efficacy: 94.5 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.3 / 1.41
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 24.3
Input Voltage (V): 120
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				10	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	98	94	105	100	96	92	96	92	89	92	89	86	88	86	84	82
2	97	88	81	75	95	86	80	74	83	77	72	80	75	71	76	72	69	67
3	88	77	68	61	86	75	67	61	72	65	60	70	64	59	67	62	58	55
4	80	68	59	51	78	66	58	51	64	56	50	61	55	50	59	54	49	47
5	74	60	51	44	72	59	50	44	57	49	43	55	48	43	53	47	42	40
6	68	54	45	38	66	53	44	38	51	43	38	50	43	37	48	42	37	35
7	63	49	40	33	61	48	39	33	47	39	33	45	38	33	44	37	33	31
8	59	45	36	30	57	44	35	30	43	35	29	41	34	29	40	34	29	27
9	55	41	32	27	53	40	32	27	39	32	26	38	31	26	37	31	26	24
10	51	38	30	24	50	37	29	24	36	29	24	35	29	24	34	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1940	1940	1940
5°	1930	1943	1943
10°	1924	1938	1947
15°	1915	1933	1947
20°	1900	1929	1949
25°	1895	1936	1955
30°	1879	1920	1957
35°	1858	1914	1969
40°	1833	1910	1993
45°	1806	1909	2056
50°	1768	1923	2142
55°	1719	1965	2266
60°	1664	2018	2427
65°	1548	2118	2624
70°	1422	2220	2870
75°	1248	2334	2967
80°	1074	2224	2329
85°	939	1618	1772



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.2	3.0
10°-20°	195.8	8.5
20°-30°	298.8	13.0
30°-40°	364.8	15.9
40°-50°	390.1	17.0
50°-60°	376.5	16.4
60°-70°	324.1	14.1
70°-80°	219.3	9.6
80°-90°	57.9	2.5
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°	562.8	24.5
0°-40°	927.6	40.4
0°-60°	1694.2	73.8
0°-90°	2295.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2295.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	721	721	721	721	721	
5°	714	716	719	719	719	68
15°	687	689	694	697	699	194
25°	638	642	652	655	659	294
35°	566	571	583	594	600	354
45°	474	483	502	527	540	366
55°	366	378	419	461	483	328
65°	243	267	333	385	412	242
75°	120	159	224	270	285	129
85°	30	42	52	54	57	34
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	721.0	721.0	721.0	721.0	721.0
2.5°	716.0	717.7	721.0	721.0	722.7
5°	714.3	716.0	719.3	719.3	719.3
7.5°	709.3	710.9	714.3	716.0	716.0
10°	704.1	705.9	709.3	710.9	712.6
12.5°	695.7	697.4	702.4	705.9	705.9
15°	687.3	689.0	694.0	697.4	699.0
17.5°	677.0	680.6	685.6	689.0	690.6
20°	663.6	667.0	673.7	678.9	680.6
22.5°	651.9	655.2	661.9	667.0	670.3
25°	638.3	641.6	651.9	655.2	658.6
27.5°	621.3	624.9	633.3	640.0	645.0
30°	604.6	607.9	618.0	626.5	629.9
32.5°	585.9	591.0	602.9	609.6	614.6
35°	565.6	570.7	582.6	594.3	599.5
37.5°	545.5	550.5	562.3	577.5	584.3
40°	521.8	528.6	543.7	564.0	567.3
42.5°	499.9	508.2	521.8	545.5	553.9
45°	474.5	482.9	501.5	526.9	540.3
47.5°	450.9	459.3	479.6	509.9	526.9
50°	422.2	433.9	459.3	494.8	511.6
52.5°	395.2	405.2	439.1	477.9	498.2
55°	366.5	378.2	418.8	460.9	482.9
57.5°	341.1	351.2	396.8	444.2	469.5
60°	309.1	322.5	374.9	425.5	450.9
62.5°	275.2	295.5	352.9	405.2	432.2
65°	243.1	266.8	332.7	384.9	412.1
67.5°	214.4	239.8	307.4	363.1	388.4
70°	180.7	212.8	282.1	336.1	364.8
72.5°	150.3	185.7	253.4	307.4	332.7
75°	120.0	158.7	224.5	270.1	285.4
77.5°	92.8	130.0	192.5	206.1	207.7
80°	69.3	103.0	143.5	145.1	150.3
82.5°	47.3	72.7	92.8	101.3	103.0
85°	30.4	42.3	52.4	54.0	57.4
87.5°	13.6	15.3	18.6	16.9	16.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)