

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: P568285

Luminaire Tested: **14CGTX-80HE-L930**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568285
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2206-672-22)
Test Lab: INNOVATION CENTER
Issue Date: 9/19/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 14CGTX-80HE-L930
Description: 1X4 8000 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3000K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

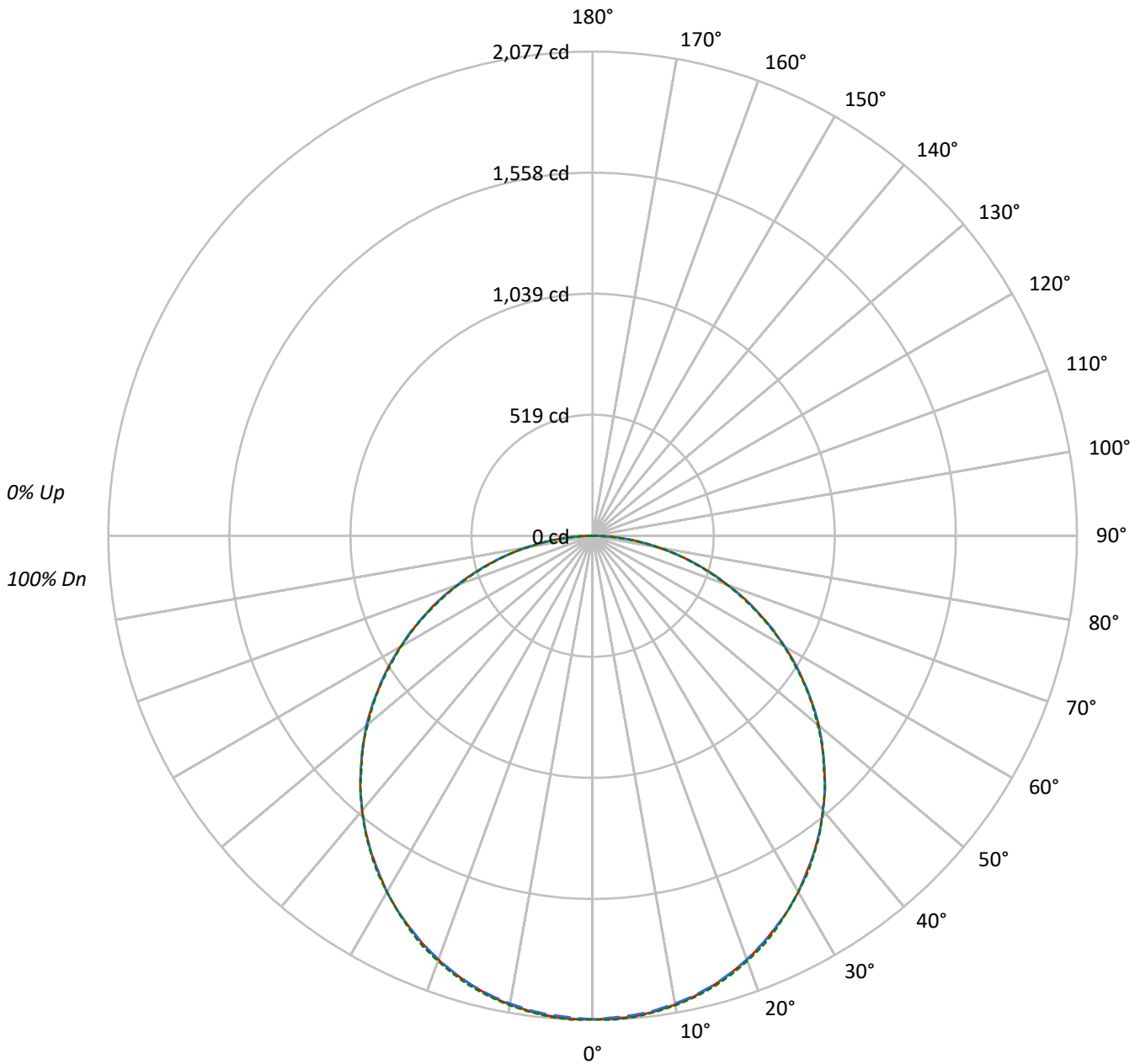
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6132.0 lumens
Efficiency: N/A
Efficacy: 96.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.38
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 63.3
Input Voltage (V): NR
Input Current (A_{in}): 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									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	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	106	101	97	93	97	93	90	93	90	88	89	87	85	83																			
2	98	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71	69																			
3	89	79	70	63	87	77	69	63	74	67	62	71	65	61	69	64	60	57																			
4	82	69	60	54	79	68	60	53	66	58	52	63	57	52	61	56	51	49																			
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42																			
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37																			
7	64	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32																			
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	42	35	31	29																			
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26																			
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5582	5582	5582
5°	5588	5572	5597
10°	5579	5567	5590
15°	5565	5560	5582
20°	5542	5537	5557
25°	5509	5509	5527
30°	5483	5481	5483
35°	5441	5444	5451
40°	5400	5400	5400
45°	5350	5347	5332
50°	5300	5300	5268
55°	5208	5223	5201
60°	5114	5114	5102
65°	5004	4999	4970
70°	4841	4866	4811
75°	4688	4696	4633
80°	4358	4429	4429
85°	4103	4057	3986



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	196.6	3.2
10°-20°	564.1	9.2
20°-30°	856.6	14.0
30°-40°	1037.2	16.9
40°-50°	1085.0	17.7
50°-60°	993.7	16.2
60°-70°	777.2	12.7
70°-80°	475.3	7.8
80°-90°	146.4	2.4
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°	1617.3	26.4
0°-40°	2654.5	43.3
0°-60°	4733.1	77.2
0°-90°	6132.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6132.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2074	2074	2074	2074	2074	
5°	2069	2069	2063	2070	2072	197
15°	1997	1999	1996	2001	2004	564
25°	1855	1859	1855	1860	1861	856
35°	1656	1657	1657	1659	1659	1036
45°	1406	1408	1405	1405	1401	1085
55°	1110	1118	1113	1110	1108	994
65°	786	790	785	782	780	778
75°	451	449	452	449	446	475
85°	133	128	131	128	129	148
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2074.2	2074.2	2074.2	2074.2	2074.2
2.5°	2074.2	2074.2	2068.1	2075.7	2077.3
5°	2068.8	2068.8	2062.7	2069.6	2071.9
7.5°	2057.3	2058.1	2052.7	2059.6	2060.4
10°	2041.9	2042.7	2037.3	2045.0	2045.8
12.5°	2022.7	2023.5	2018.9	2025.8	2026.6
15°	1997.4	1998.9	1995.8	2001.2	2003.5
17.5°	1968.2	1970.5	1966.6	1973.6	1974.3
20°	1935.1	1935.9	1933.6	1939.0	1940.5
22.5°	1897.5	1899.8	1896.0	1902.9	1905.2
25°	1855.3	1859.1	1855.3	1859.9	1861.4
27.5°	1812.2	1815.3	1812.2	1814.5	1813.0
30°	1764.6	1765.4	1763.8	1764.6	1764.6
32.5°	1709.3	1712.4	1710.8	1714.7	1716.2
35°	1656.3	1657.1	1657.1	1659.4	1659.4
37.5°	1598.7	1598.7	1599.4	1601.7	1601.7
40°	1537.2	1538.7	1537.2	1538.7	1537.2
42.5°	1475.0	1474.2	1475.0	1475.8	1473.4
45°	1405.8	1408.1	1405.1	1405.1	1401.2
47.5°	1334.4	1339.0	1338.2	1335.9	1336.7
50°	1266.0	1267.6	1266.0	1263.7	1258.3
52.5°	1190.0	1194.6	1190.7	1191.5	1185.4
55°	1110.1	1117.8	1113.2	1110.1	1108.5
57.5°	1034.0	1036.3	1031.7	1027.9	1025.6
60°	950.3	953.4	950.3	947.2	948.0
62.5°	868.1	872.7	873.5	867.3	865.8
65°	785.9	789.7	785.1	782.0	780.5
67.5°	706.0	705.2	701.4	697.5	696.0
70°	615.3	620.7	618.4	619.2	611.5
72.5°	534.7	535.4	533.1	533.1	527.0
75°	450.9	448.6	451.7	448.6	445.6
77.5°	368.0	370.3	369.5	365.7	368.7
80°	281.2	284.2	285.8	282.7	285.8
82.5°	208.2	208.2	207.4	207.4	205.1
85°	132.9	128.3	131.4	128.3	129.1
87.5°	60.7	59.9	56.8	59.2	58.4
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)