

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: P567536

Luminaire Tested: **8SNX-168HL-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567536
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-17)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-168HL-UNV-L940-CD
Description: 8FT 16800 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

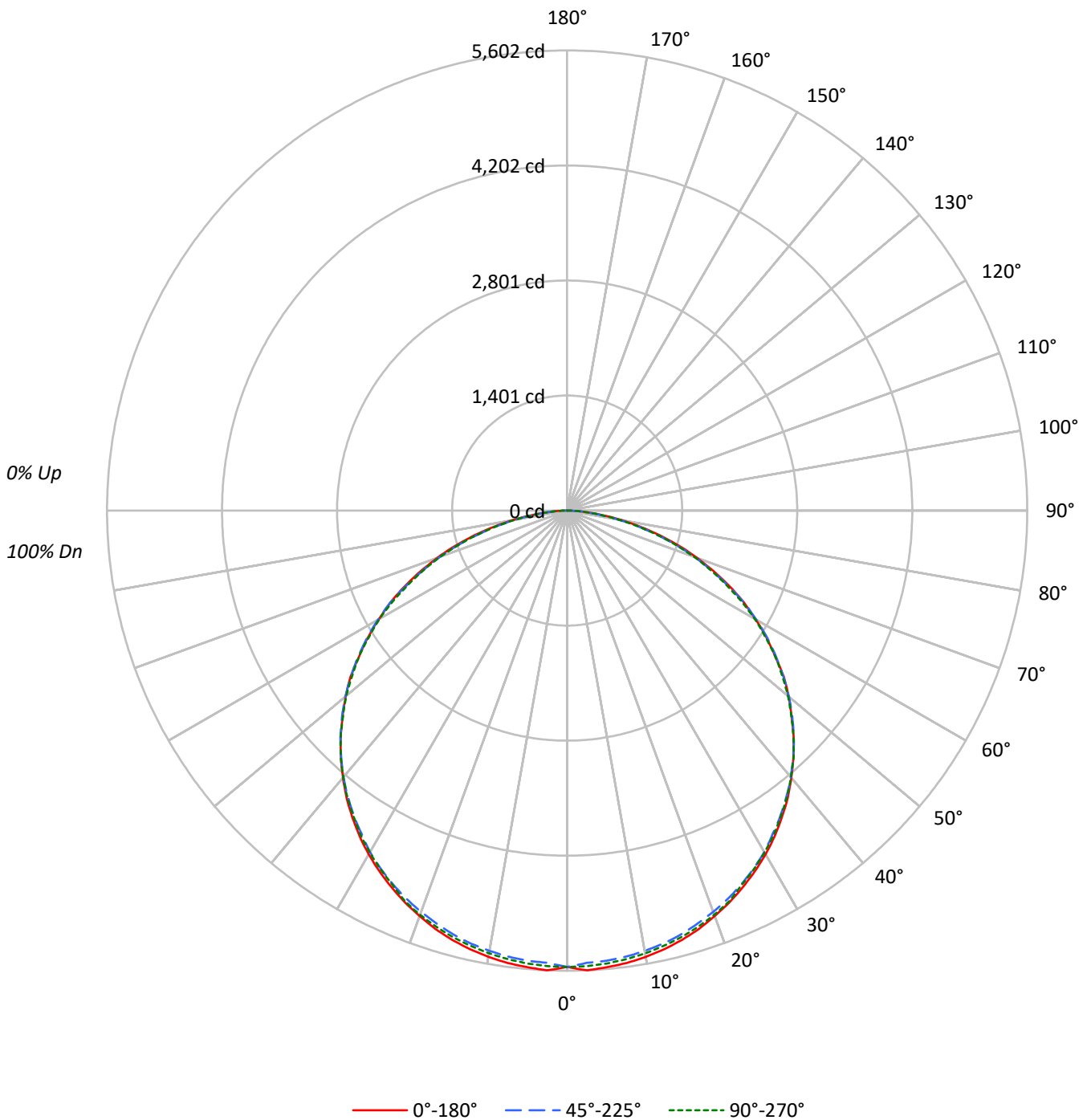
Lumens per Lamp: N/A
Luminaire Lumens: 16630.0 lumens
Efficiency: N/A
Efficacy: 143.6 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')
CIE Type: Direct

Input Watts (W): 115.8
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

TEST NUMBER: P567536

CATALOG NUMBER: 8SNX-168HL-UNV-L940-CD

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	109	104	99	95	106	101	98	94	97	94	91		93	91	88		90	88	86	83
2	99	90	83	77	96	88	82	76	85	79	75		81	77	73		78	75	71	69
3	90	79	71	64	87	77	70	63	74	68	62		72	66	61		69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53		64	57	52		61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	46		57	50	45		55	49	45	42
6	69	56	47	40	67	55	46	40	53	45	40		51	45	39		50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35		47	40	35		45	39	35	33
8	60	46	37	32	58	45	37	31	44	37	31		43	36	31		42	35	31	29
9	56	42	34	28	54	42	34	28	41	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°	29899	29899	29899
5°	30141	29721	29900
10°	30155	29744	29911
15°	30142	29775	29946
20°	30081	29772	29987
25°	30044	29807	29863
30°	30025	29835	29864
35°	29951	29766	29812
40°	29831	29765	29781
45°	29669	29723	29669
50°	29468	29528	29370
55°	29009	29164	29009
60°	28520	28647	28394
65°	27814	27486	27185
70°	26488	25896	25822
75°	24444	23271	23369
80°	20911	19600	19966
85°	15537	15246	14227



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	527.2	3.2
10°-20°	1519.1	9.1
20°-30°	2325.6	14.0
30°-40°	2844.9	17.1
40°-50°	3009.0	18.1
50°-60°	2772.5	16.7
60°-70°	2133.9	12.8
70°-80°	1198.8	7.2
80°-90°	299.1	1.8
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°	4371.9	26.3
0°-40°	7216.8	43.4
0°-60°	12998.2	78.2
0°-90°	16630.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16630.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5556	5556	5556	5556	5556	
5°	5579	5563	5501	5551	5534	531
15°	5410	5396	5344	5391	5374	1527
25°	5059	5055	5020	5055	5029	2334
35°	4559	4552	4530	4552	4538	2853
45°	3898	3910	3905	3896	3898	3006
55°	3092	3120	3108	3099	3092	2769
65°	2184	2189	2158	2128	2135	2155
75°	1176	1157	1119	1103	1124	1238
85°	252	247	247	240	230	310
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5555.5	5555.5	5555.5	5555.5	5555.5
2.5°	5602.5	5572.0	5510.8	5564.9	5550.8
5°	5579.0	5562.6	5501.4	5550.8	5534.4
7.5°	5555.5	5536.7	5477.9	5532.0	5508.5
10°	5517.9	5501.4	5442.7	5494.4	5473.2
12.5°	5468.5	5454.4	5400.3	5449.7	5428.6
15°	5409.8	5395.6	5343.9	5390.9	5374.5
17.5°	5339.2	5322.8	5273.4	5322.8	5311.0
20°	5252.2	5242.8	5198.2	5242.8	5235.8
22.5°	5162.9	5151.1	5115.9	5148.8	5151.1
25°	5059.4	5054.7	5019.5	5054.7	5028.9
27.5°	4951.3	4951.3	4916.0	4939.5	4923.1
30°	4831.4	4829.0	4800.8	4812.6	4805.5
32.5°	4702.1	4699.7	4662.1	4692.7	4680.9
35°	4558.7	4551.6	4530.5	4551.6	4537.5
37.5°	4410.6	4403.5	4387.0	4398.8	4396.5
40°	4246.0	4246.0	4236.6	4246.0	4238.9
42.5°	4076.7	4083.8	4072.0	4081.4	4081.4
45°	3898.0	3909.8	3905.1	3895.7	3898.0
47.5°	3707.6	3728.8	3717.0	3714.6	3702.9
50°	3519.5	3538.3	3526.6	3514.8	3507.8
52.5°	3324.4	3333.8	3319.7	3315.0	3298.5
55°	3091.6	3119.8	3108.1	3098.7	3091.6
57.5°	2877.7	2898.8	2889.4	2870.6	2858.9
60°	2649.6	2666.1	2661.4	2640.2	2637.9
62.5°	2426.3	2431.0	2426.3	2388.7	2391.0
65°	2184.1	2188.8	2158.3	2127.7	2134.7
67.5°	1930.2	1944.3	1902.0	1857.3	1887.9
70°	1683.3	1678.6	1645.7	1596.4	1641.0
72.5°	1429.4	1424.7	1387.1	1351.9	1382.4
75°	1175.5	1156.7	1119.1	1102.6	1123.8
77.5°	912.2	891.0	874.6	862.8	872.2
80°	674.7	646.5	632.4	623.0	644.2
82.5°	449.0	427.9	420.8	427.9	423.2
85°	251.6	246.9	246.9	239.8	230.4
87.5°	103.4	108.1	110.5	108.1	103.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)