

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: P567729

Luminaire Tested: **8SNX-200HL-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567729
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-200HL-UNV-L950-CD
Description: 8FT 20000 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

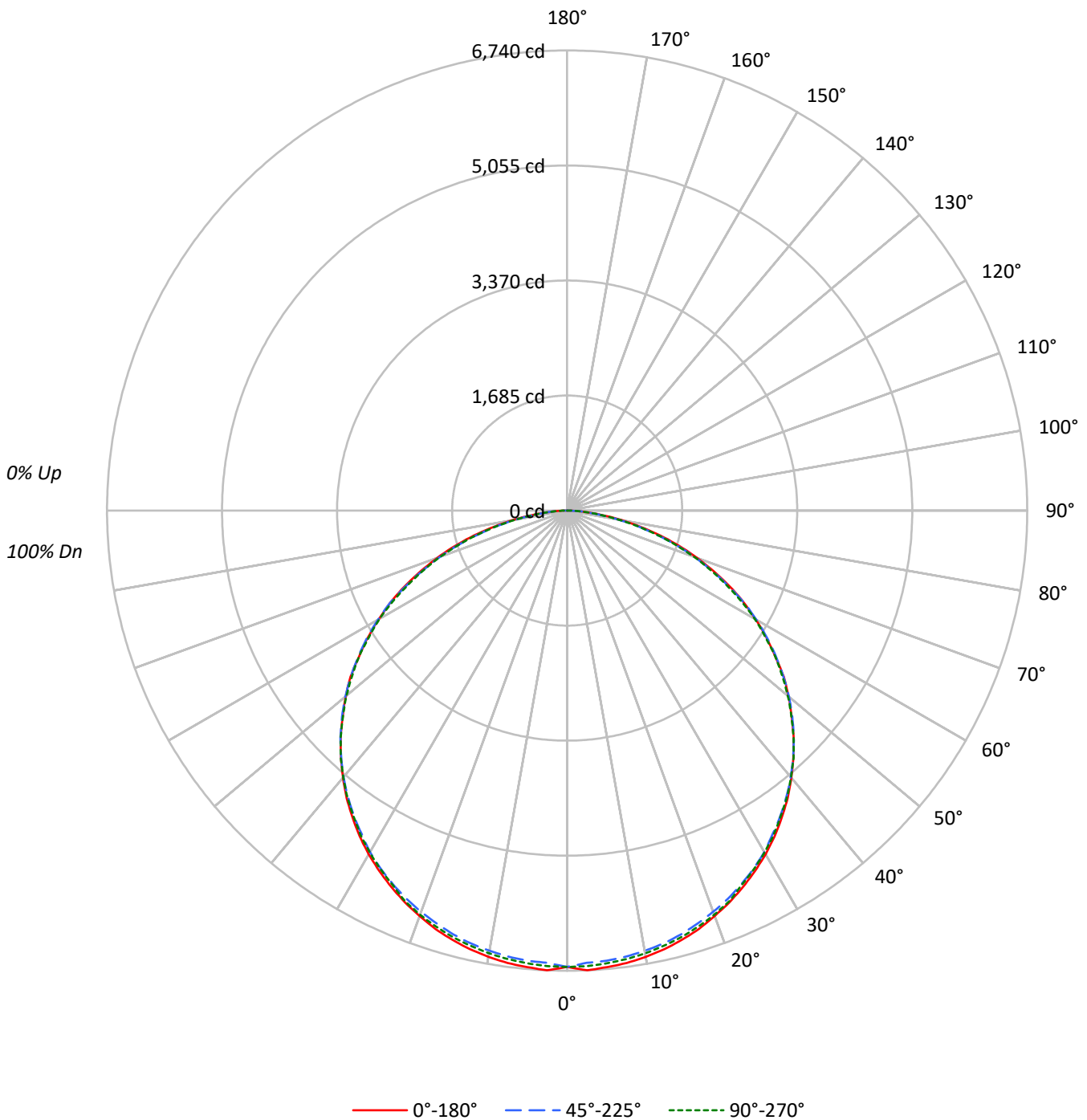
Lumens per Lamp: N/A
Luminaire Lumens: 20006.0 lumens
Efficiency: N/A
Efficacy: 138.0 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')
CIE Type: Direct

Input Watts (W): 145
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

TEST NUMBER: P567729

CATALOG NUMBER: 8SNX-200HL-UNV-L950-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°	35969	35969	35969
5°	36260	35755	35969
10°	36277	35783	35983
15°	36261	35820	36025
20°	36188	35815	36075
25°	36144	35859	35926
30°	36120	35892	35927
35°	36031	35809	35865
40°	35886	35807	35827
45°	35692	35756	35692
50°	35451	35522	35333
55°	34898	35084	34898
60°	34310	34463	34158
65°	33461	33065	32704
70°	31867	31154	31066
75°	29407	27995	28112
80°	25157	23580	24020
85°	18686	18340	17117



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	634.3	3.2
10°-20°	1827.5	9.1
20°-30°	2797.7	14.0
30°-40°	3422.4	17.1
40°-50°	3619.8	18.1
50°-60°	3335.3	16.7
60°-70°	2567.0	12.8
70°-80°	1442.2	7.2
80°-90°	359.8	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°	5259.5	26.3
0°-40°	8681.9	43.4
0°-60°	15637.0	78.2
0°-90°	20006.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	20006.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6683	6683	6683	6683	6683	
5°	6712	6692	6618	6678	6658	638
15°	6508	6491	6429	6485	6466	1837
25°	6086	6081	6038	6081	6050	2807
35°	5484	5476	5450	5476	5459	3432
45°	4689	4704	4698	4686	4689	3616
55°	3719	3753	3739	3728	3719	3331
65°	2628	2633	2596	2560	2568	2592
75°	1414	1392	1346	1326	1352	1489
85°	303	297	297	288	277	373
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6683.3	6683.3	6683.3	6683.3	6683.3
2.5°	6739.9	6703.1	6629.6	6694.6	6677.7
5°	6711.6	6691.8	6618.3	6677.7	6657.9
7.5°	6683.3	6660.7	6590.0	6655.0	6626.8
10°	6638.1	6618.3	6547.6	6609.8	6584.3
12.5°	6578.7	6561.7	6496.7	6556.0	6530.6
15°	6508.0	6491.0	6428.8	6485.3	6465.5
17.5°	6423.1	6403.3	6343.9	6403.3	6389.2
20°	6318.5	6307.2	6253.4	6307.2	6298.7
22.5°	6211.0	6196.9	6154.4	6194.0	6196.9
25°	6086.5	6080.9	6038.5	6080.9	6049.8
27.5°	5956.4	5956.4	5914.0	5942.3	5922.5
30°	5812.2	5809.4	5775.4	5789.6	5781.1
32.5°	5656.6	5653.8	5608.6	5645.3	5631.2
35°	5484.1	5475.6	5450.2	5475.6	5458.7
37.5°	5305.9	5297.4	5277.6	5291.8	5289.0
40°	5107.9	5107.9	5096.6	5107.9	5099.5
42.5°	4904.3	4912.8	4898.7	4910.0	4910.0
45°	4689.4	4703.5	4697.8	4686.5	4689.4
47.5°	4460.3	4485.7	4471.6	4468.7	4454.6
50°	4234.0	4256.6	4242.5	4228.3	4219.9
52.5°	3999.2	4010.6	3993.6	3987.9	3968.1
55°	3719.2	3753.2	3739.0	3727.7	3719.2
57.5°	3461.9	3487.3	3476.0	3453.4	3439.2
60°	3187.5	3207.3	3201.7	3176.2	3173.4
62.5°	2918.8	2924.5	2918.8	2873.6	2876.4
65°	2627.5	2633.2	2596.4	2559.6	2568.1
67.5°	2322.1	2339.0	2288.1	2234.4	2271.1
70°	2025.1	2019.4	1979.8	1920.4	1974.2
72.5°	1719.6	1714.0	1668.7	1626.3	1663.1
75°	1414.2	1391.5	1346.3	1326.5	1351.9
77.5°	1097.4	1071.9	1052.1	1038.0	1049.3
80°	811.7	777.8	760.8	749.5	775.0
82.5°	540.2	514.8	506.3	514.8	509.1
85°	302.6	297.0	297.0	288.5	277.2
87.5°	124.4	130.1	132.9	130.1	124.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)