Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: NEO-RAY

Report Number: P534502

Luminaire Tested: **S920DIP-W435-XX4XX-UDD-W-SC**

Issue Date: 6/9/2021

Report Generated By 670245626 / DESKTOP-25HFRC3

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Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P534502
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29793)
Test Lab:	INNOVATION CENTER
Issue Date:	6/9/2021
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	NEO-RAY
Catalog Number:	S920DIP-W435-XX4XX-UDD-W-SC
Description:	NEO-RAY CONVERGE SUSPENDED LED WaveStream LUMINAIRE WHITE RECTANCULAR HOUSING WITH SOLID UPLIGHT COVER
Light Source:	3500K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4869.1 lumens
Efficiency:	N/A
Efficacy:	96.0 lumens/watt
Spacing Criteria (0/90/45):	1.22 / 1.2 / 1.36
Luminous Opening:	Rectangular w/ Sides (W: 0.68' x L: 4' x H: 0.31')
CIE Type:	Direct

Input Watts (W):	50.7
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:	24 FT

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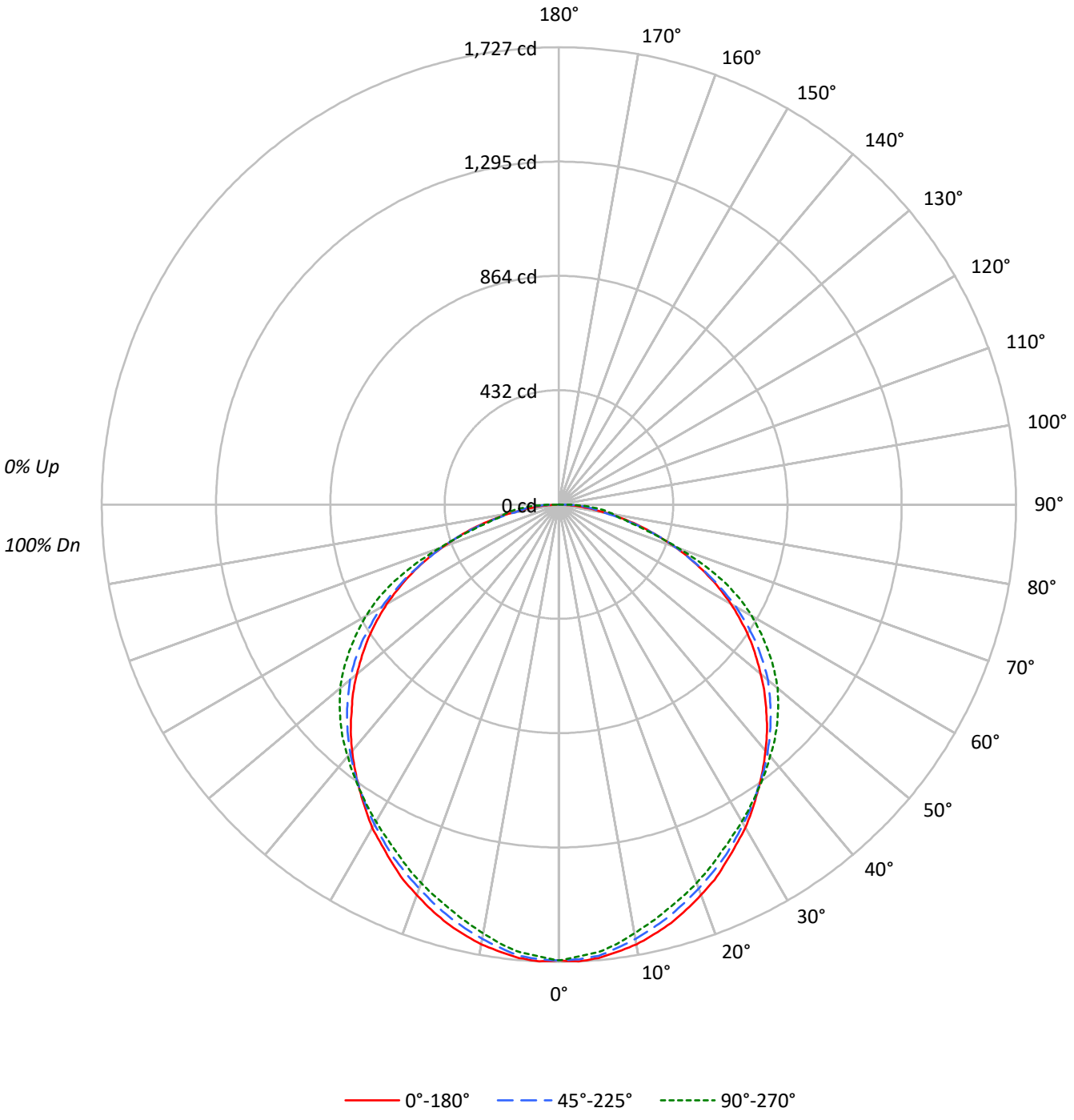
Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			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	97	94	97	94	91	93	91	88	90	87	85	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	53	46	59	51	46	57	50	45	55	49	45	42
6	69	56	47	40	68	55	46	40	53	46	40	51	45	39	50	44	39	37
7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	38	32	58	46	37	32	44	37	31	43	36	31	42	36	31	29
9	56	42	34	28	55	42	34	28	41	33	28	40	33	28	39	32	28	26
10	52	39	31	26	51	39	31	26	38	31	26	37	30	25	36	30	25	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6839	6839	6839
5°	6808	6605	6510
10°	6713	6300	6140
15°	6592	6013	5802
20°	6453	5736	5518
25°	6313	5494	5240
30°	6189	5250	5022
35°	6042	5030	4829
40°	5915	4829	4658
45°	5777	4619	4503
50°	5635	4396	4320
55°	5478	4100	4056
60°	5257	3710	3735
65°	4930	3221	3263
70°	4452	2667	2466
75°	3817	1977	1685
80°	2847	1228	1330
85°	1616	872	961

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.5	3.3
10°-20°	453.6	9.3
20°-30°	677.8	13.9
30°-40°	821.2	16.9
40°-50°	874.6	18.0
50°-60°	816.1	16.8
60°-70°	626.8	12.9
70°-80°	332.2	6.8
80°-90°	105.3	2.2
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°	1292.9	26.6
0°-40°	2114.1	43.4
0°-60°	3804.8	78.1
0°-90°	4869.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4869.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1722	1722	1722	1722	1722	
5°	1719	1708	1711	1703	1698	163
15°	1636	1620	1610	1594	1583	461
25°	1492	1479	1474	1455	1450	688
35°	1313	1311	1311	1311	1313	822
45°	1108	1110	1132	1156	1166	856
55°	878	884	910	945	966	783
65°	611	611	619	673	686	603
75°	320	312	310	299	296	338
85°	67	69	101	123	131	81
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	*1721.8*	1721.8	1721.8	1721.8	1721.8
2.5°	*1727.1*	*1716.4*	*1719.1*	*1716.4*	*1708.4*
5°	*1719.1*	1708.4	1711.1	1703.1	1697.7
7.5°	*1703.1*	1692.4	1689.7	1679.1	1673.7
10°	*1687.1*	1671.0	1665.7	1652.4	1644.4
12.5°	*1663.0*	1649.7	1639.0	1623.0	1615.0
15°	*1636.3*	1620.3	1609.7	1593.6	1583.0
17.5°	*1604.3*	1588.3	1577.6	1561.6	1553.6
20°	*1569.6*	1553.6	1542.9	1524.2	1521.6
22.5°	*1534.9*	1518.9	1508.2	1489.5	1486.9
25°	*1492.2*	1478.8	1473.5	1454.8	1449.5
27.5°	*1449.5*	1438.8	1433.5	1420.1	1414.8
30°	*1409.4*	1398.8	1393.4	1382.8	1382.8
32.5°	*1361.4*	1356.1	1353.4	1345.4	1348.0
35°	*1313.3*	1310.7	1310.7	1310.7	1313.3
37.5°	*1265.3*	1262.6	1270.6	1273.3	1278.6
40°	*1214.6*	1211.9	1225.3	1233.3	1241.3
42.5°	*1163.9*	1163.9	1179.9	1195.9	1206.6
45°	*1107.8*	1110.5	1131.8	1155.9	1166.5
47.5°	*1054.4*	1057.1	1081.1	1110.5	1123.8
50°	*995.7*	1001.0	1030.4	1059.8	1078.4
52.5°	*937.0*	942.3	971.7	1006.4	1025.1
55°	*878.2*	883.6	910.3	945.0	966.3
57.5°	*814.2*	819.5	840.9	878.2	904.9
60°	*750.1*	755.4	771.5	814.2	840.9
62.5°	*680.7*	683.4	694.0	750.1	771.5
65°	*611.3*	611.3	619.3	672.7	686.0
67.5°	*539.2*	536.6	539.2	581.9	584.6
70°	*464.5*	461.8	467.1	483.2	477.8
72.5°	*392.4*	387.1	392.4	381.7	379.1
75°	*320.3*	312.3	309.7	299.0	296.3
77.5°	*248.3*	245.6	234.9	229.6	237.6
80°	*178.9*	184.2	168.2	194.9	208.2
82.5°	*120.1*	120.1	133.5	162.8	176.2
85°	*66.7*	69.4	101.4	122.8	130.8
87.5°	*21.4*	40.0	58.7	72.1	77.4
90°	*0.0*	0.0	0.0	0.0	0.0

(END OF REPORT)