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: P534508

Luminaire Tested: **S920DIP-W530-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:	P534508
	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-W530-XX4XX-UDD-W-SC
Description:	NEO-RAY CONVERGE SUSPENDED LED WaveStream LUMINAIRE WHITE RECTANCULAR HOUSING WITH SOLID UPLIGHT COVER
Light Source:	3000K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5729.8 lumens
Efficiency:	N/A
Efficacy:	84.3 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):	68
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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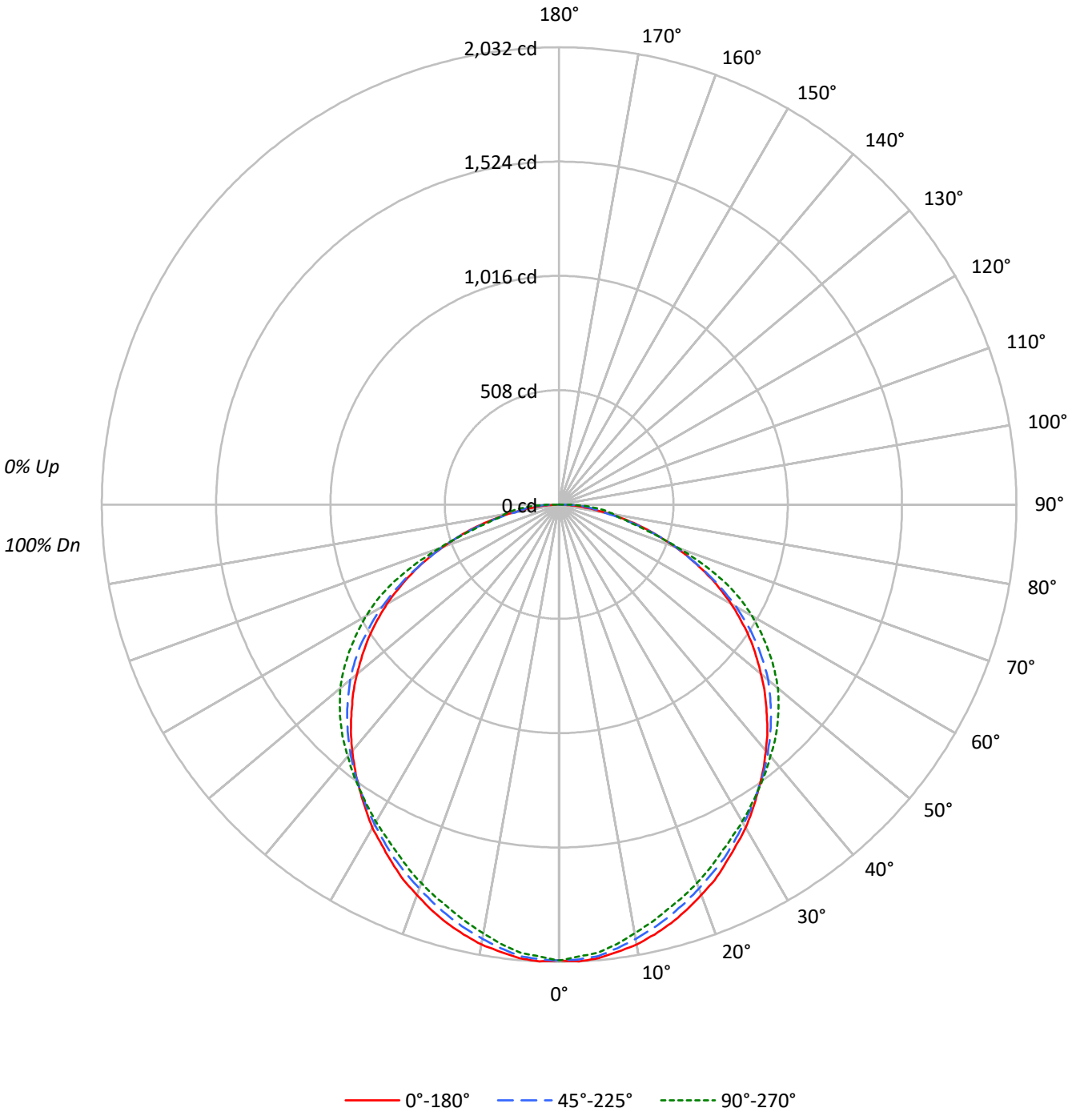
Luminous Intensity Polar Plot



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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°	8048	8048	8048
5°	8012	7773	7660
10°	7900	7414	7224
15°	7758	7076	6827
20°	7594	6750	6493
25°	7429	6465	6167
30°	7283	6178	5910
35°	7110	5919	5683
40°	6961	5682	5481
45°	6798	5436	5299
50°	6631	5173	5084
55°	6447	4825	4772
60°	6186	4366	4396
65°	5802	3791	3840
70°	5238	3139	2902
75°	4493	2326	1983
80°	3350	1444	1565
85°	1902	1026	1131

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.1	3.3
10°-20°	533.8	9.3
20°-30°	797.6	13.9
30°-40°	966.4	16.9
40°-50°	1029.2	18.0
50°-60°	960.4	16.8
60°-70°	737.6	12.9
70°-80°	390.9	6.8
80°-90°	123.9	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°	1521.4	26.6
0°-40°	2487.8	43.4
0°-60°	4477.4	78.1
0°-90°	5729.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5729.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2026	2026	2026	2026	2026	
5°	2023	2010	2014	2004	1998	192
15°	1926	1907	1894	1875	1863	543
25°	1756	1740	1734	1712	1706	810
35°	1546	1542	1542	1542	1546	968
45°	1304	1307	1332	1360	1373	1007
55°	1034	1040	1071	1112	1137	922
65°	719	719	729	792	807	710
75°	377	368	364	352	349	398
85°	78	82	119	144	154	95
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	*2026.1*	2026.1	2026.1	2026.1	2026.1
2.5°	*2032.4*	*2019.8*	*2023.0*	*2019.8*	*2010.4*
5°	*2023.0*	2010.4	2013.6	2004.1	1997.8
7.5°	*2004.1*	1991.6	1988.4	1975.9	1969.6
10°	*1985.3*	1966.4	1960.2	1944.4	1935.0
12.5°	*1957.0*	1941.3	1928.7	1909.9	1900.5
15°	*1925.6*	1906.7	1894.2	1875.3	1862.8
17.5°	*1887.9*	1869.1	1856.5	1837.6	1828.2
20°	*1847.1*	1828.2	1815.7	1793.7	1790.5
22.5°	*1806.2*	1787.4	1774.8	1752.8	1749.7
25°	*1756.0*	1740.3	1734.0	1712.0	1705.7
27.5°	*1705.7*	1693.1	1686.9	1671.2	1664.9
30°	*1658.6*	1646.0	1639.7	1627.2	1627.2
32.5°	*1602.0*	1595.8	1592.6	1583.2	1586.3
35°	*1545.5*	1542.4	1542.4	1542.4	1545.5
37.5°	*1489.0*	1485.8	1495.2	1498.4	1504.7
40°	*1429.3*	1426.1	1441.8	1451.3	1460.7
42.5°	*1369.6*	1369.6	1388.4	1407.3	1419.9
45°	*1303.6*	1306.8	1331.9	1360.2	1372.7
47.5°	*1240.8*	1243.9	1272.2	1306.8	1322.5
50°	*1171.7*	1178.0	1212.5	1247.1	1269.1
52.5°	*1102.6*	1108.9	1143.4	1184.3	1206.2
55°	*1033.5*	1039.8	1071.2	1112.0	1137.1
57.5°	*958.1*	964.4	989.5	1033.5	1064.9
60°	*882.7*	889.0	907.8	958.1	989.5
62.5°	*801.0*	804.2	816.7	882.7	907.8
65°	*719.4*	719.4	728.8	791.6	807.3
67.5°	*634.5*	631.4	634.5	684.8	687.9
70°	*546.6*	543.4	549.7	568.6	562.3
72.5°	*461.8*	455.5	461.8	449.2	446.1
75°	*377.0*	367.5	364.4	351.8	348.7
77.5°	*292.1*	289.0	276.4	270.1	279.6
80°	*210.5*	216.7	197.9	229.3	245.0
82.5°	*141.4*	141.4	157.1	191.6	207.3
85°	*78.5*	81.7	119.4	144.5	153.9
87.5°	*25.1*	47.1	69.1	84.8	91.1
90°	*0.0*	0.0	0.0	0.0	0.0

(END OF REPORT)