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: P534490

Luminaire Tested: **S920DIP-W330-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:	P534490
	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-W330-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:	3675.9 lumens
Efficiency:	N/A
Efficacy:	95.5 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):	38.5
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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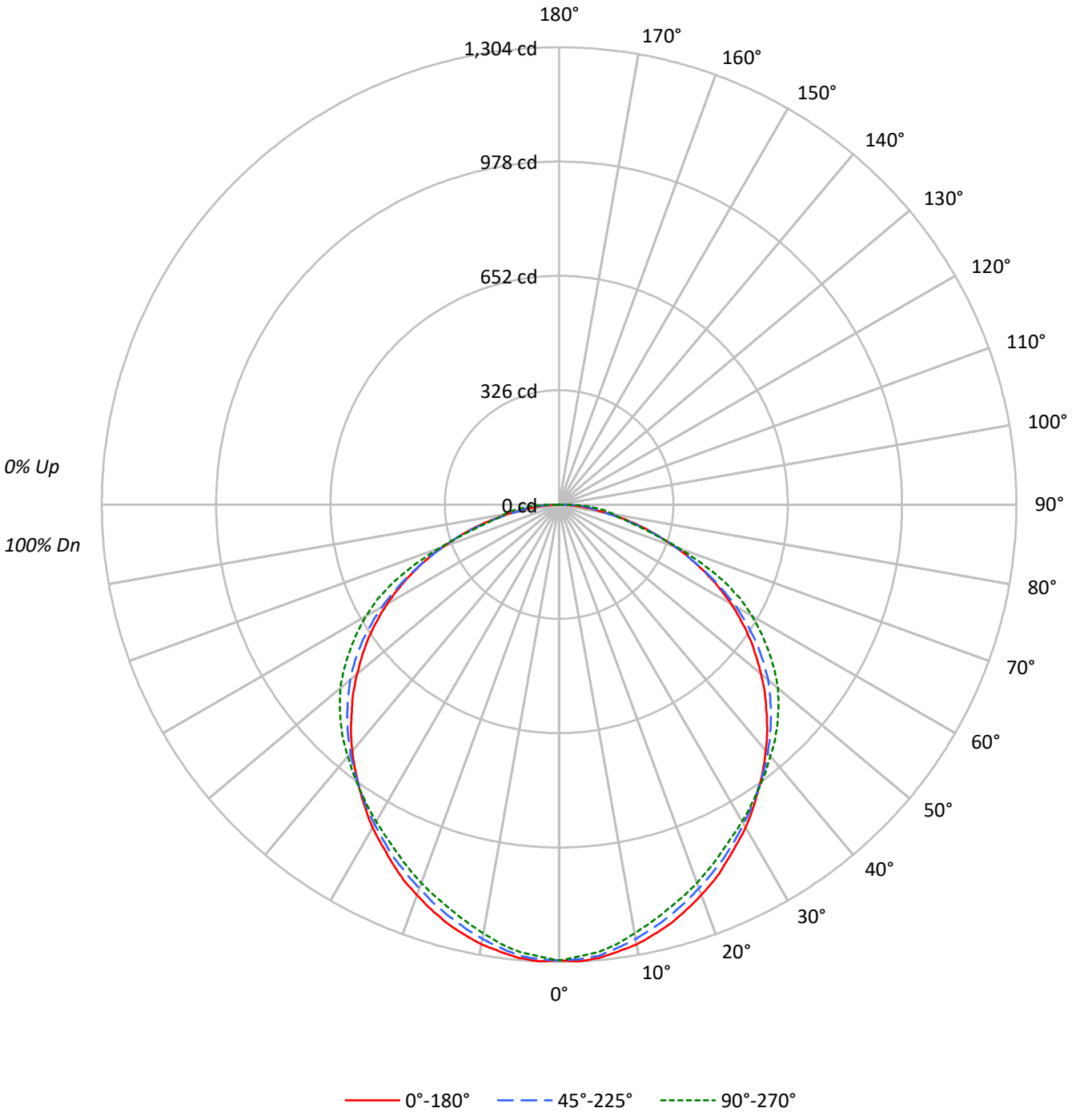
Luminous Intensity Polar Plot



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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°	5163	5163	5163
5°	5140	4986	4915
10°	5068	4756	4635
15°	4977	4539	4380
20°	4872	4330	4165
25°	4766	4147	3956
30°	4672	3964	3792
35°	4561	3797	3646
40°	4466	3645	3516
45°	4361	3487	3400
50°	4254	3319	3262
55°	4136	3095	3062
60°	3969	2801	2820
65°	3722	2432	2463
70°	3361	2014	1861
75°	2882	1492	1272
80°	2149	927	1004
85°	1221	659	725

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.9	3.3
10°-20°	342.4	9.3
20°-30°	511.7	13.9
30°-40°	620.0	16.9
40°-50°	660.3	18.0
50°-60°	616.1	16.8
60°-70°	473.2	12.9
70°-80°	250.8	6.8
80°-90°	79.5	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°	976.1	26.6
0°-40°	1596.0	43.4
0°-60°	2872.5	78.1
0°-90°	3675.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3675.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1300	1300	1300	1300	1300	
5°	1298	1290	1292	1286	1282	123
15°	1235	1223	1215	1203	1195	348
25°	1126	1116	1112	1098	1094	520
35°	992	990	990	990	992	621
45°	836	838	854	873	881	646
55°	663	667	687	713	730	591
65°	462	462	468	508	518	455
75°	242	236	234	226	224	255
85°	50	52	77	93	99	61
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	*1299.9*	1299.9	1299.9	1299.9	1299.9
2.5°	*1303.9*	*1295.8*	*1297.9*	*1295.8*	*1289.8*
5°	*1297.9*	1289.8	1291.8	1285.8	1281.7
7.5°	*1285.8*	1277.7	1275.7	1267.6	1263.6
10°	*1273.7*	1261.6	1257.5	1247.5	1241.4
12.5°	*1255.5*	1245.5	1237.4	1225.3	1219.3
15°	*1235.4*	1223.3	1215.2	1203.1	1195.1
17.5°	*1211.2*	1199.1	1191.0	1178.9	1172.9
20°	*1185.0*	1172.9	1164.8	1150.7	1148.7
22.5°	*1158.8*	1146.7	1138.6	1124.5	1122.5
25°	*1126.5*	1116.5	1112.4	1098.3	1094.3
27.5°	*1094.3*	1086.2	1082.2	1072.1	1068.1
30°	*1064.1*	1056.0	1052.0	1043.9	1043.9
32.5°	*1027.8*	1023.8	1021.8	1015.7	1017.7
35°	*991.5*	989.5	989.5	989.5	991.5
37.5°	*955.2*	953.2	959.3	961.3	965.3
40°	*917.0*	914.9	925.0	931.1	937.1
42.5°	*878.7*	878.7	890.8	902.9	910.9
45°	*836.3*	838.4	854.5	872.6	880.7
47.5°	*796.0*	798.1	816.2	838.4	848.4
50°	*751.7*	755.7	777.9	800.1	814.2
52.5°	*707.4*	711.4	733.6	759.8	773.9
55°	*663.0*	667.1	687.2	713.4	729.5
57.5°	*614.7*	618.7	634.8	663.0	683.2
60°	*566.3*	570.3	582.4	614.7	634.8
62.5°	*513.9*	515.9	524.0	566.3	582.4
65°	*461.5*	461.5	467.5	507.9	517.9
67.5°	*407.1*	405.1	407.1	439.3	441.3
70°	*350.7*	348.6	352.7	364.8	360.7
72.5°	*296.2*	292.2	296.2	288.2	286.2
75°	*241.8*	235.8	233.8	225.7	223.7
77.5°	*187.4*	185.4	177.3	173.3	179.4
80°	*135.0*	139.1	127.0	147.1	157.2
82.5°	*90.7*	90.7	100.8	122.9	133.0
85°	*50.4*	52.4	76.6	92.7	98.7
87.5°	*16.1*	30.2	44.3	54.4	58.4
90°	*0.0*	0.0	0.0	0.0	0.0

(END OF REPORT)