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: P534475

Luminaire Tested: **S920DIP-W135-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:	P534475
	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-W135-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:	1929.3 lumens
Efficiency:	N/A
Efficacy:	106.6 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):	18.1
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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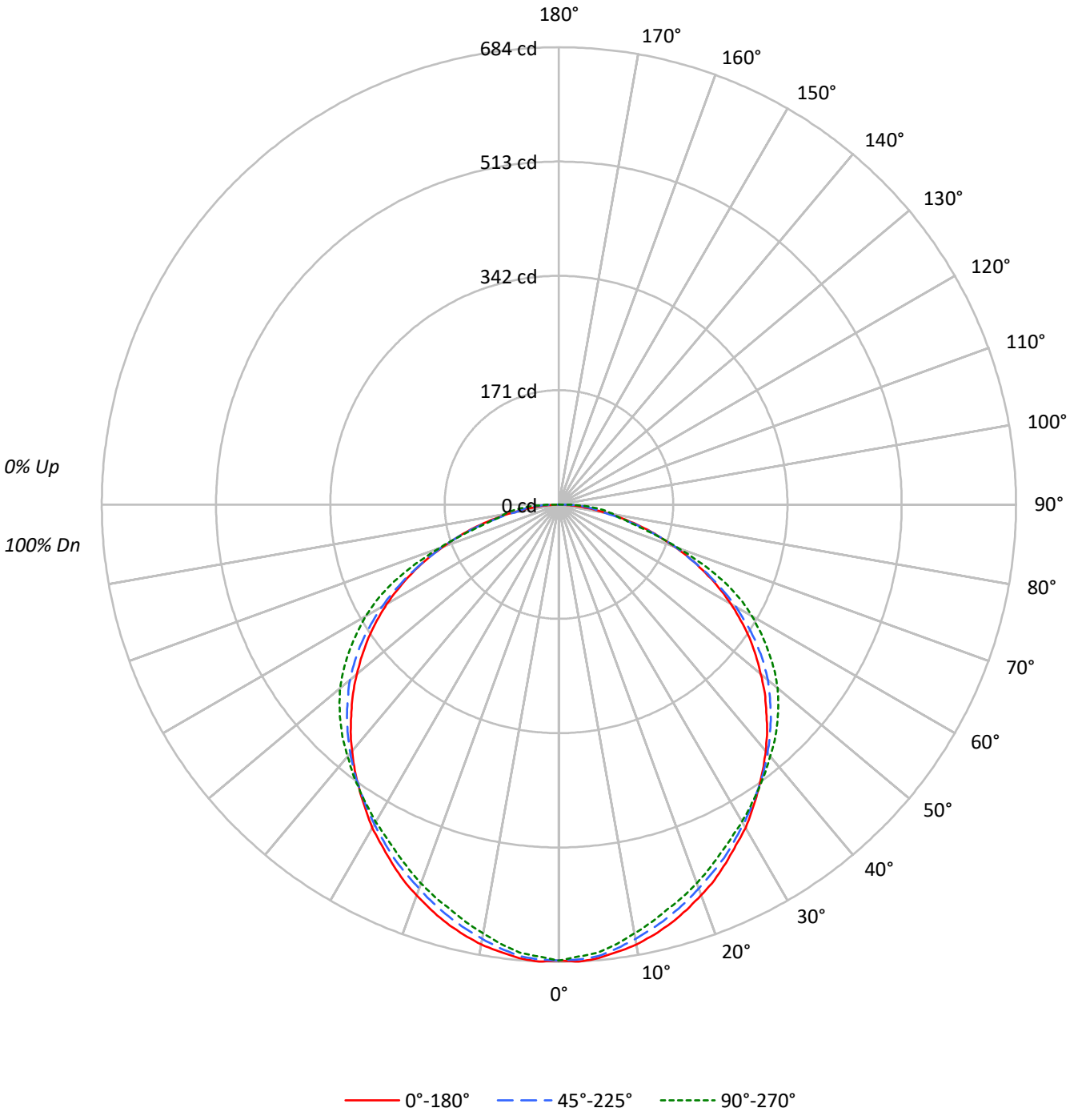
Luminous Intensity Polar Plot



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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°	2710	2710	2710
5°	2698	2617	2579
10°	2660	2496	2432
15°	2612	2382	2299
20°	2557	2273	2186
25°	2501	2177	2076
30°	2452	2080	1990
35°	2394	1993	1914
40°	2344	1913	1845
45°	2289	1830	1784
50°	2233	1742	1712
55°	2171	1625	1607
60°	2083	1470	1480
65°	1953	1276	1293
70°	1763	1057	977
75°	1512	783	668
80°	1128	486	527
85°	640	346	381

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.0	3.3
10°-20°	179.7	9.3
20°-30°	268.5	13.9
30°-40°	325.4	16.9
40°-50°	346.5	18.0
50°-60°	323.4	16.8
60°-70°	248.3	12.9
70°-80°	131.6	6.8
80°-90°	41.7	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°	512.3	26.6
0°-40°	837.7	43.4
0°-60°	1507.6	78.1
0°-90°	1929.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1929.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	682	682	682	682	682	
5°	681	677	678	675	673	65
15°	648	642	638	631	627	183
25°	591	586	584	576	574	273
35°	520	519	519	519	520	326
45°	439	440	448	458	462	339
55°	348	350	361	374	383	310
65°	242	242	245	266	272	239
75°	127	124	123	118	117	134
85°	26	28	40	49	52	32
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	*682.2*	682.2	682.2	682.2	682.2
2.5°	*684.3*	*680.1*	*681.2*	*680.1*	*676.9*
5°	*681.2*	676.9	678.0	674.8	672.7
7.5°	*674.8*	670.6	669.5	665.3	663.2
10°	*668.5*	662.1	660.0	654.7	651.5
12.5°	*658.9*	653.7	649.4	643.1	639.9
15°	*648.4*	642.0	637.8	631.4	627.2
17.5°	*635.7*	629.3	625.1	618.8	615.6
20°	*621.9*	615.6	611.3	603.9	602.9
22.5°	*608.2*	601.8	597.6	590.2	589.1
25°	*591.3*	586.0	583.8	576.4	574.3
27.5°	*574.3*	570.1	568.0	562.7	560.6
30°	*558.5*	554.2	552.1	547.9	547.9
32.5°	*539.4*	537.3	536.3	533.1	534.1
35°	*520.4*	519.3	519.3	519.3	520.4
37.5°	*501.3*	500.3	503.5	504.5	506.6
40°	*481.3*	480.2	485.5	488.7	491.8
42.5°	*461.2*	461.2	467.5	473.8	478.1
45°	*438.9*	440.0	448.5	458.0	462.2
47.5°	*417.8*	418.8	428.4	440.0	445.3
50°	*394.5*	396.6	408.3	419.9	427.3
52.5°	*371.3*	373.4	385.0	398.8	406.2
55°	*348.0*	350.1	360.7	374.4	382.9
57.5°	*322.6*	324.7	333.2	348.0	358.6
60°	*297.2*	299.3	305.7	322.6	333.2
62.5°	*269.7*	270.8	275.0	297.2	305.7
65°	*242.2*	242.2	245.4	266.5	271.8
67.5°	*213.7*	212.6	213.7	230.6	231.6
70°	*184.0*	183.0	185.1	191.4	189.3
72.5°	*155.5*	153.4	155.5	151.3	150.2
75°	*126.9*	123.8	122.7	118.5	117.4
77.5°	*98.4*	97.3	93.1	91.0	94.1
80°	*70.9*	73.0	66.6	77.2	82.5
82.5°	*47.6*	47.6	52.9	64.5	69.8
85°	*26.4*	27.5	40.2	48.7	51.8
87.5°	*8.5*	15.9	23.3	28.6	30.7
90°	*0.0*	0.0	0.0	0.0	0.0

(END OF REPORT)