

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: P334483

Luminaire Tested: **S122IP-S925U835-4F0-1E-UDD-1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P334483
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S122IP-S925U835-4F0-1E-UDD-1
Description: DEFINE 2 INDIRECT LED LUMINAIRE, FLUSH SATIN WHITE DIFFUSER
PENDANT MOUNT, 925 LUMENS PER FOOT
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

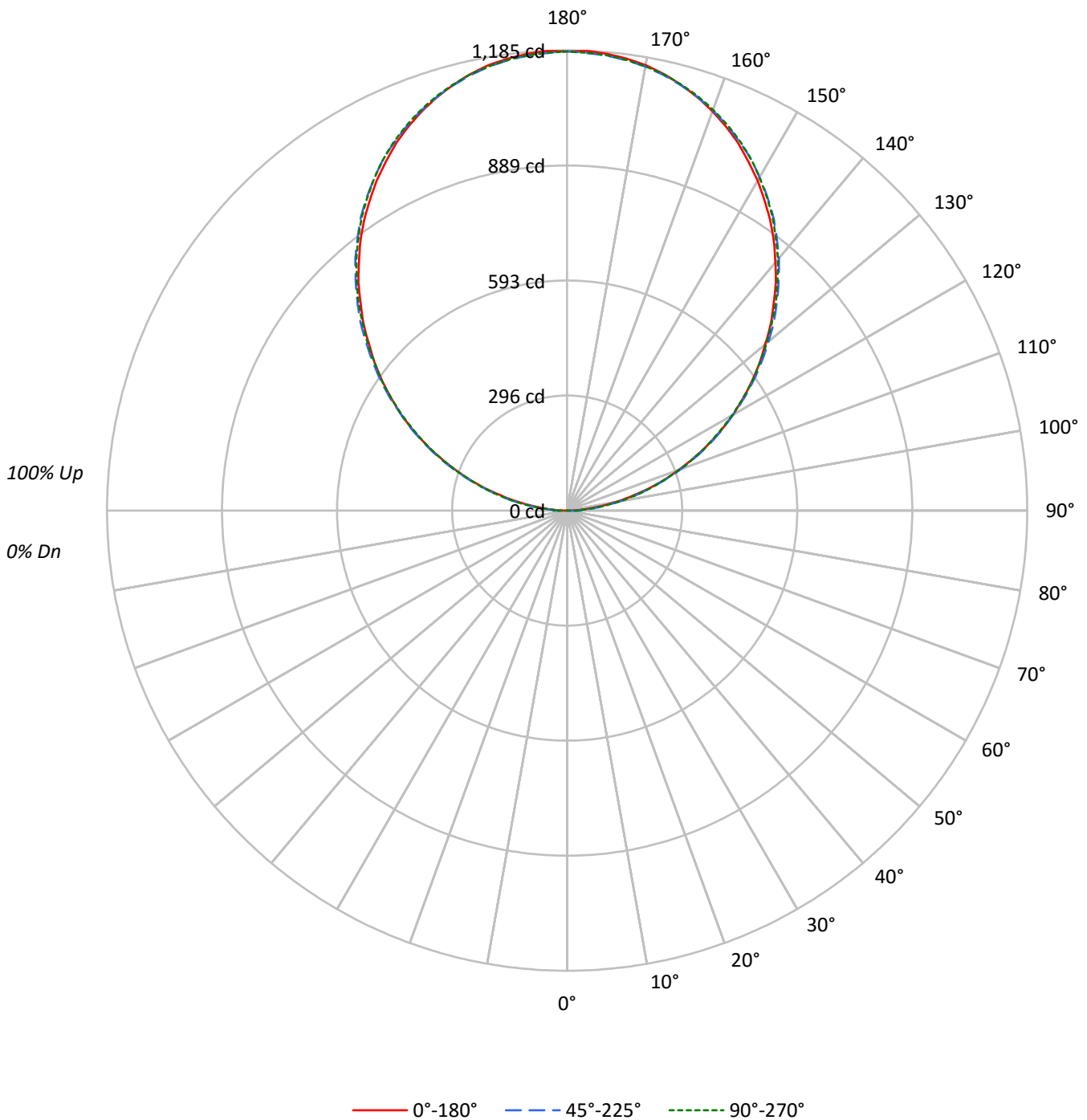
Lumens per Lamp: N/A
Luminaire Lumens: 3309.6 lumens
Efficiency: N/A
Efficacy: 94.3 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Indirect

Input Watts (W): 35.1
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: 25 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	
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	95	95	95	95	81	81	81	81	56	56	56	32	32	32	10	10	10	0
1	87	83	79	76	74	71	68	65	48	47	45	28	27	26	9	9	8	0
2	79	72	66	62	67	62	57	53	42	40	37	24	23	22	8	7	7	0
3	72	63	56	51	61	54	49	44	37	34	31	21	20	18	7	6	6	0
4	65	56	48	43	56	48	42	37	33	29	26	19	17	16	6	6	5	0
5	60	49	42	36	51	42	36	32	29	25	22	17	15	13	5	5	4	0
6	55	44	36	31	47	38	32	27	26	22	19	15	13	11	5	4	4	0
7	50	39	32	27	43	34	28	23	23	19	17	14	11	10	4	4	3	0
8	47	35	28	23	40	30	24	20	21	17	14	12	10	9	4	3	3	0
9	43	32	25	20	37	27	22	18	19	15	13	11	9	8	4	3	3	0
10	40	29	22	18	34	25	19	16	17	14	11	10	8	7	3	3	2	0

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	0	0	0
5°	0	0	0
10°	0	0	0
15°	0	0	0
20°	0	0	0
25°	0	0	0
30°	0	0	0
35°	0	0	0
40°	0	0	0
45°	0	0	0
50°	0	0	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.0	0.0
10°-20°	0.0	0.0
20°-30°	0.0	0.0
30°-40°	0.0	0.0
40°-50°	0.0	0.0
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	3.4	0.1
90°-100°	73.1	2.2
100°-110°	232.6	7.0
110°-120°	398.0	12.0
120°-130°	523.3	15.8
130°-140°	587.4	17.7
140°-150°	576.1	17.4
150°-160°	483.2	14.6
160°-170°	320.5	9.7
170°-180°	112.0	3.4
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	3.4	0.1
90°-120°	703.7	21.3
90°-150°	2390.5	72.2
90°-180°	3306.0	99.9
0°-180°	3309.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	0	0	0	0	0	
5°	0	0	0	0	0	0
15°	0	0	0	0	0	0
25°	0	0	0	0	0	0
35°	0	0	0	0	0	0
45°	0	0	0	0	0	0
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	1	13	35	33	34	3
95°	52	62	64	64	62	58
105°	215	218	220	222	222	227
115°	399	405	403	402	399	395
125°	581	590	587	584	583	519
135°	752	762	764	763	760	581
145°	912	919	925	926	922	570
155°	1043	1046	1049	1054	1051	480
165°	1135	1134	1134	1141	1136	320
175°	1181	1178	1176	1183	1177	112
180°	1183	1183	1183	1183	1183	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	0.0	0.0	0.0	0.0	0.0
2.5°	0.0	0.0	0.0	0.0	0.0
5°	0.0	0.0	0.0	0.0	0.0
7.5°	0.0	0.0	0.0	0.0	0.0
10°	0.0	0.0	0.0	0.0	0.0
12.5°	0.0	0.0	0.0	0.0	0.0
15°	0.0	0.0	0.0	0.0	0.0
17.5°	0.0	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0	0.0
22.5°	0.0	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0	0.0
27.5°	0.0	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0	0.0
32.5°	0.0	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	1.0	13.0	34.9	32.9	33.9
92.5°	22.0	29.9	30.9	31.9	31.9
95°	51.9	61.9	63.9	63.9	61.9
97.5°	86.8	95.8	99.8	99.8	99.8
100°	126.7	134.7	137.7	137.7	136.7
102.5°	168.7	174.6	178.6	179.6	178.6
105°	214.6	217.6	219.5	221.5	221.5
107.5°	260.5	264.5	264.5	265.5	260.5
110°	304.4	310.4	310.4	310.4	307.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	352.3	358.3	357.3	354.3	352.3
115°	399.2	405.2	403.2	402.2	399.2
117.5°	446.1	454.1	449.1	446.1	443.1
120°	493.0	501.0	493.0	493.0	490.0
122.5°	535.9	545.9	540.9	537.9	535.9
125°	580.8	589.8	586.8	583.8	582.8
127.5°	624.7	635.7	631.7	627.7	624.7
130°	665.6	678.6	676.6	674.6	670.6
132.5°	711.5	721.5	722.5	717.5	714.5
135°	751.5	762.4	764.4	763.4	760.4
137.5°	795.4	804.3	806.3	805.3	801.4
140°	834.3	843.3	848.3	848.3	844.3
142.5°	874.2	883.2	886.2	887.2	883.2
145°	912.1	919.1	925.1	926.1	922.1
147.5°	946.1	955.0	959.0	961.0	957.0
150°	981.0	987.0	991.0	994.0	991.0
152.5°	1011.9	1017.9	1022.9	1026.9	1022.9
155°	1042.9	1045.9	1048.8	1053.8	1050.8
157.5°	1069.8	1071.8	1073.8	1080.8	1075.8
160°	1093.8	1095.8	1096.7	1102.7	1098.7
162.5°	1115.7	1115.7	1116.7	1123.7	1118.7
165°	1134.7	1133.7	1133.7	1140.7	1135.7
167.5°	1151.6	1148.6	1148.6	1155.6	1150.6
170°	1164.6	1161.6	1160.6	1167.6	1161.6
172.5°	1173.6	1170.6	1169.6	1176.6	1170.6
175°	1180.6	1177.6	1175.6	1182.6	1176.6
177.5°	1184.6	1181.6	1179.6	1185.6	1179.6
180°	1182.6	1182.6	1182.6	1182.6	1182.6

(END OF REPORT)