

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: P335098

Luminaire Tested: **S125IP-S1035U935-4F0-1E-UDD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P335098
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125IP-S1035U935-4F0-1E-UDD
Description: DEFINE 5 INDIRECT LED LUMINAIRE, NO LENS
PENDANT MOUNT, 1035 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

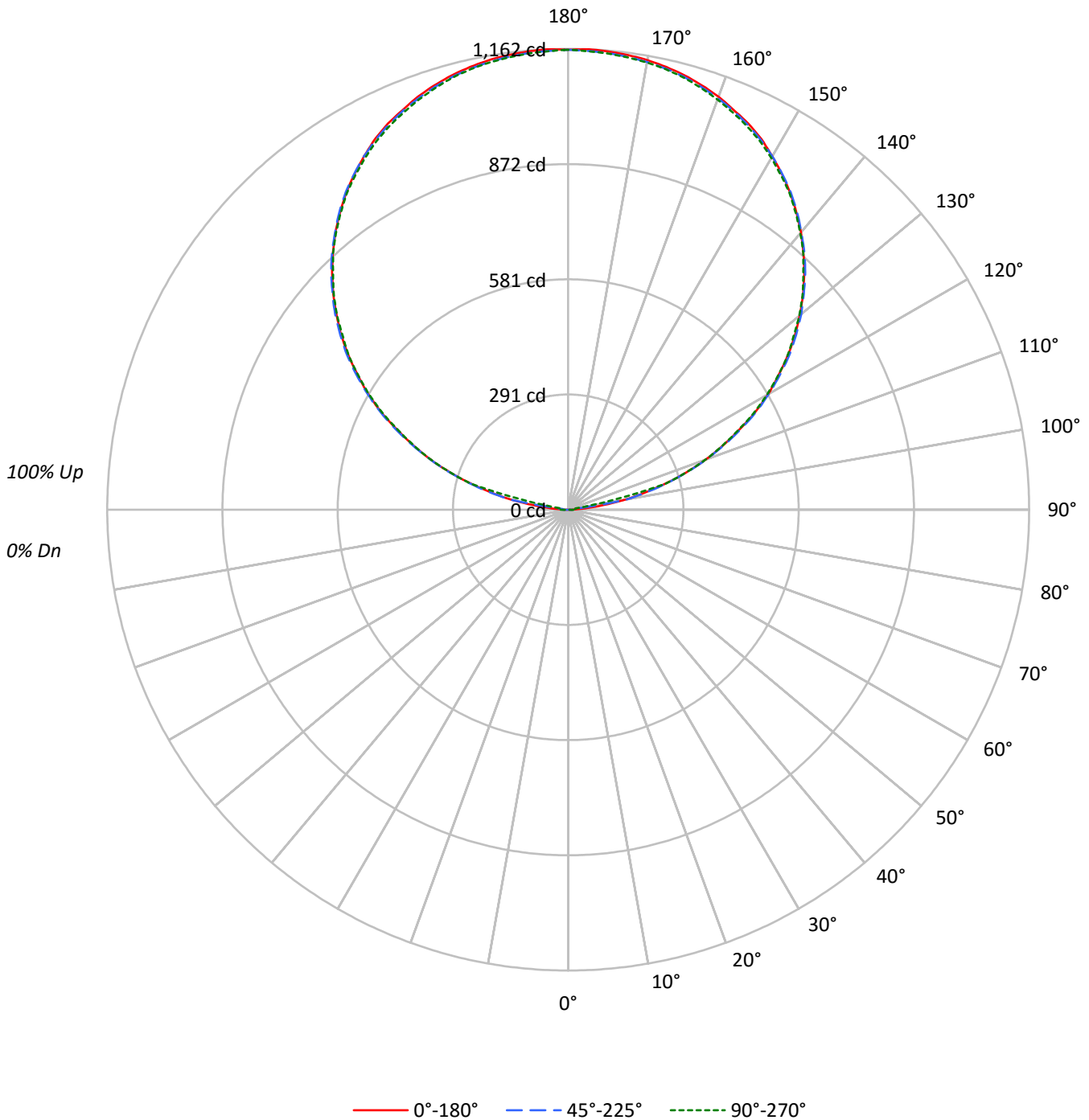
Lumens per Lamp: N/A
Luminaire Lumens: 3564.1 lumens
Efficiency: N/A
Efficacy: 101.5 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Indirect

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°	1.7	0.0
90°-100°	39.4	1.1
100°-110°	261.7	7.3
110°-120°	471.3	13.2
120°-130°	605.0	17.0
130°-140°	650.7	18.3
140°-150°	610.7	17.1
150°-160°	494.0	13.9
160°-170°	319.5	9.0
170°-180°	110.2	3.1
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	1.7	0.0
90°-120°	772.4	21.7
90°-150°	2638.8	74.0
90°-180°	3562.0	99.9
0°-180°	3564.1	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	8	14	18	21	2
95°	49	46	14	18	18	60
105°	253	256	256	256	255	268
115°	474	479	480	476	471	470
125°	675	681	681	677	675	603
135°	842	847	845	843	838	649
145°	976	978	978	978	973	610
155°	1075	1069	1071	1074	1067	495
165°	1134	1129	1130	1135	1128	320
175°	1160	1155	1155	1162	1155	110
180°	1160	1160	1160	1160	1160	



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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°	0.9	7.7	13.8	18.1	20.6
92.5°	16.3	8.6	13.8	18.1	18.9
95°	49.0	46.4	13.8	18.1	18.1
97.5°	92.0	97.1	15.5	17.2	18.1
100°	143.6	146.1	149.6	21.5	18.1
102.5°	196.0	199.4	201.2	202.9	130.7
105°	252.7	256.2	256.2	256.2	255.3
107.5°	311.2	311.2	312.9	313.8	310.3
110°	367.9	367.9	369.7	367.1	367.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	421.2	423.8	424.7	421.2	419.5
115°	474.5	478.8	479.7	476.3	471.1
117.5°	530.4	530.4	533.9	528.7	527.0
120°	582.0	581.1	583.7	582.0	577.7
122.5°	627.6	631.9	632.7	631.0	625.8
125°	674.8	680.9	680.9	677.4	674.8
127.5°	720.4	724.7	723.9	722.1	715.3
130°	761.7	766.0	766.8	764.3	760.0
132.5°	802.9	808.1	805.5	805.5	801.2
135°	841.6	846.8	845.1	843.3	838.2
137.5°	877.7	882.9	881.2	881.2	876.9
140°	913.0	914.7	913.8	915.6	910.4
142.5°	944.8	945.6	947.4	947.4	942.2
145°	975.7	977.5	977.5	978.3	973.2
147.5°	1003.2	1003.2	1004.1	1005.0	998.9
150°	1029.0	1027.3	1029.0	1030.8	1023.9
152.5°	1054.0	1049.7	1051.4	1053.1	1047.1
155°	1074.6	1069.4	1071.2	1073.7	1066.9
157.5°	1090.9	1088.4	1088.4	1090.9	1084.1
160°	1108.1	1103.0	1103.8	1107.3	1100.4
162.5°	1121.9	1116.7	1117.6	1122.7	1115.0
165°	1133.9	1128.8	1129.6	1134.8	1127.9
167.5°	1143.4	1138.2	1139.1	1145.1	1137.4
170°	1151.1	1145.1	1146.0	1152.8	1145.1
172.5°	1156.3	1150.3	1152.0	1158.0	1150.3
175°	1159.7	1154.6	1155.4	1162.3	1154.6
177.5°	1162.3	1157.1	1158.0	1164.0	1157.1
180°	1159.7	1159.7	1159.7	1159.7	1159.7

(END OF REPORT)