

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: P335103

Luminaire Tested: **S125IP-S1035U940-4F0-1E-UDD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P335103
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-S1035U940-4F0-1E-UDD
Description: DEFINE 5 INDIRECT LED LUMINAIRE, NO LENS
PENDANT MOUNT, 1035 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

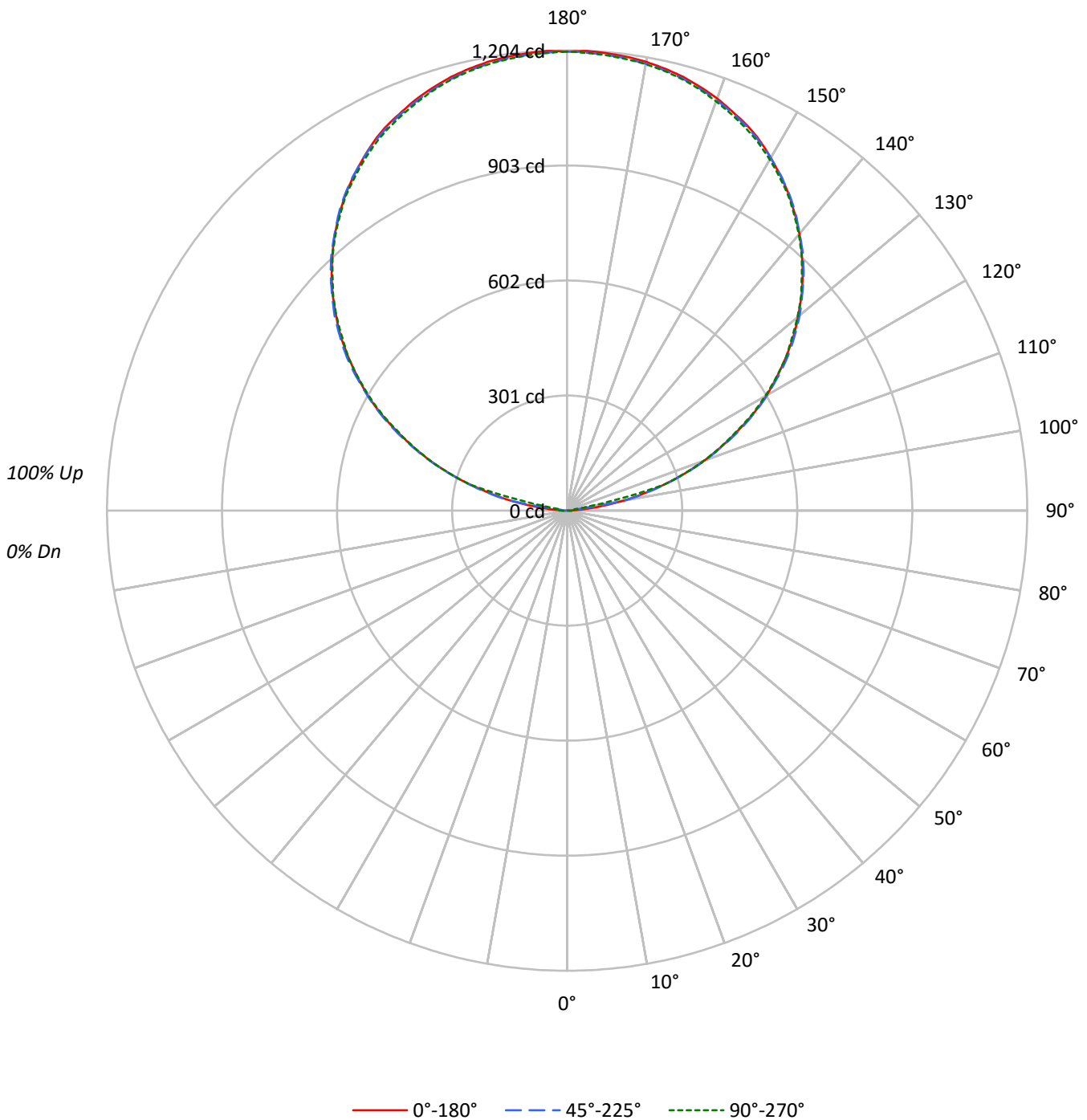
Lumens per Lamp: N/A
Luminaire Lumens: 3691.2 lumens
Efficiency: N/A
Efficacy: 105.2 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Indirect

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°	1.8	0.0
90°-100°	40.8	1.1
100°-110°	271.1	7.3
110°-120°	488.1	13.2
120°-130°	626.6	17.0
130°-140°	673.9	18.3
140°-150°	632.5	17.1
150°-160°	511.6	13.9
160°-170°	330.9	9.0
170°-180°	114.1	3.1
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	1.8	0.0
90°-120°	800.0	21.7
90°-150°	2732.9	74.0
90°-180°	3689.0	99.9
0°-180°	3691.2	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	19	21	3
95°	51	48	14	19	19	62
105°	262	265	265	265	264	277
115°	492	496	497	493	488	487
125°	699	705	705	702	699	624
135°	872	877	875	873	868	672
145°	1010	1012	1012	1013	1008	632
155°	1113	1108	1109	1112	1105	513
165°	1174	1169	1170	1175	1168	332
175°	1201	1196	1197	1204	1196	114
180°	1201	1201	1201	1201	1201	



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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	8.0	14.2	18.7	21.4
92.5°	16.9	8.9	14.2	18.7	19.6
95°	50.7	48.1	14.2	18.7	18.7
97.5°	95.3	100.6	16.0	17.8	18.7
100°	148.7	151.4	154.9	22.3	18.7
102.5°	203.0	206.6	208.3	210.1	135.3
105°	261.8	265.3	265.3	265.3	264.4
107.5°	322.3	322.3	324.1	325.0	321.4
110°	381.1	381.1	382.8	380.2	381.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	436.3	438.9	439.8	436.3	434.5
115°	491.5	495.9	496.8	493.3	487.9
117.5°	549.3	549.3	552.9	547.6	545.8
120°	602.8	601.9	604.5	602.8	598.3
122.5°	650.0	654.4	655.3	653.5	648.2
125°	698.9	705.2	705.2	701.6	698.9
127.5°	746.1	750.6	749.7	747.9	740.8
130°	788.8	793.3	794.2	791.5	787.1
132.5°	831.6	836.9	834.3	834.3	829.8
135°	871.6	877.0	875.2	873.4	868.1
137.5°	909.0	914.4	912.6	912.6	908.2
140°	945.5	947.3	946.4	948.2	942.9
142.5°	978.5	979.4	981.2	981.2	975.8
145°	1010.5	1012.3	1012.3	1013.2	1007.9
147.5°	1039.0	1039.0	1039.9	1040.8	1034.6
150°	1065.7	1064.0	1065.7	1067.5	1060.4
152.5°	1091.6	1087.1	1088.9	1090.7	1084.4
155°	1112.9	1107.6	1109.4	1112.0	1104.9
157.5°	1129.8	1127.2	1127.2	1129.8	1122.7
160°	1147.7	1142.3	1143.2	1146.8	1139.6
162.5°	1161.9	1156.6	1157.4	1162.8	1154.8
165°	1174.4	1169.0	1169.9	1175.3	1168.1
167.5°	1184.2	1178.8	1179.7	1185.9	1177.9
170°	1192.2	1185.9	1186.8	1194.0	1185.9
172.5°	1197.5	1191.3	1193.1	1199.3	1191.3
175°	1201.1	1195.7	1196.6	1203.7	1195.7
177.5°	1203.7	1198.4	1199.3	1205.5	1198.4
180°	1201.1	1201.1	1201.1	1201.1	1201.1

(END OF REPORT)