

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: P335078

Luminaire Tested: **S125IP-S1035U835-4F0-1E-UDD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P335078  
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-S1035U835-4F0-1E-UDD  
Description: DEFINE 5 INDIRECT LED LUMINAIRE, NO LENS  
PENDANT MOUNT, 1035 LUMENS PER FOOT  
Light Source: 3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

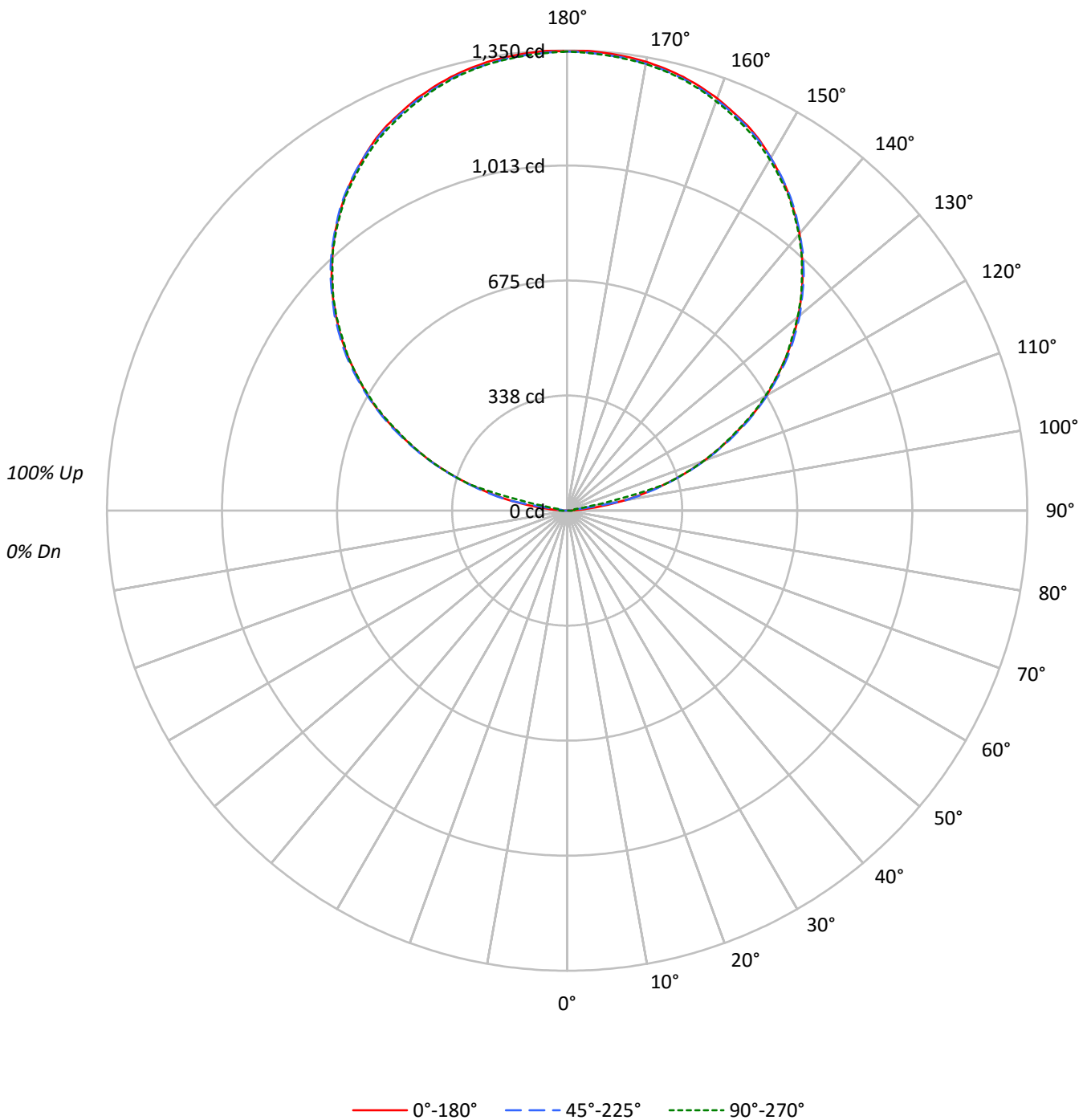
Lumens per Lamp: N/A  
Luminaire Lumens: 4139.5 lumens  
Efficiency: N/A  
Efficacy: 117.9 lumens/watt  
Spacing Criteria (0/90/45): - / - / -  
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')  
CIE Type: Indirect

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



TEST NUMBER: P335078  
CATALOG NUMBER: S125IP-S1035U835-4F0-1E-UDD

### Luminous Intensity Polar Plot





TEST NUMBER: P335078

CATALOG NUMBER: S125IP-S1035U835-4F0-1E-UDD

**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



TEST NUMBER: P335078

CATALOG NUMBER: S125IP-S1035U835-4F0-1E-UDD

**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°	2.0	0.0
90°-100°	45.7	1.1
100°-110°	303.9	7.3
110°-120°	547.4	13.2
120°-130°	702.7	17.0
130°-140°	755.7	18.3
140°-150°	709.3	17.1
150°-160°	573.7	13.9
160°-170°	371.0	9.0
170°-180°	128.0	3.1
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	2.0	0.0
90°-120°	897.1	21.7
90°-150°	3064.8	74.0
90°-180°	4137.0	99.9
0°-180°	4139.5	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	9	16	21	24	3
95°	57	54	16	21	21	70
105°	294	298	298	298	296	311
115°	551	556	557	553	547	546
125°	784	791	791	787	784	700
135°	978	984	982	980	974	754
145°	1133	1135	1135	1136	1130	709
155°	1248	1242	1244	1247	1239	575
165°	1317	1311	1312	1318	1310	372
175°	1347	1341	1342	1350	1341	128
180°	1347	1347	1347	1347	1347	



TEST NUMBER: P335078

CATALOG NUMBER: S125IP-S1035U835-4F0-1E-UDD

**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	9.0	16.0	21.0	24.0
92.5°	19.0	10.0	16.0	21.0	22.0
95°	56.9	53.9	16.0	21.0	21.0
97.5°	106.8	112.8	18.0	20.0	21.0
100°	166.7	169.7	173.7	25.0	21.0
102.5°	227.7	231.6	233.6	235.6	151.8
105°	293.5	297.5	297.5	297.5	296.5
107.5°	361.4	361.4	363.4	364.4	360.4
110°	427.3	427.3	429.3	426.3	427.3



TEST NUMBER: P335078

CATALOG NUMBER: S125IP-S1035U835-4F0-1E-UDD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	489.2	492.2	493.2	489.2	487.3
115°	551.2	556.1	557.1	553.2	547.2
117.5°	616.1	616.1	620.0	614.1	612.1
120°	676.0	675.0	678.0	676.0	671.0
122.5°	728.9	733.9	734.9	732.9	726.9
125°	783.8	790.8	790.8	786.8	783.8
127.5°	836.7	841.7	840.7	838.7	830.7
130°	884.6	889.6	890.6	887.6	882.6
132.5°	932.6	938.6	935.6	935.6	930.6
135°	977.5	983.5	981.5	979.5	973.5
137.5°	1019.4	1025.4	1023.4	1023.4	1018.4
140°	1060.4	1062.4	1061.4	1063.4	1057.4
142.5°	1097.3	1098.3	1100.3	1100.3	1094.3
145°	1133.3	1135.3	1135.3	1136.3	1130.3
147.5°	1165.2	1165.2	1166.2	1167.2	1160.2
150°	1195.2	1193.2	1195.2	1197.2	1189.2
152.5°	1224.1	1219.1	1221.1	1223.1	1216.1
155°	1248.1	1242.1	1244.1	1247.1	1239.1
157.5°	1267.1	1264.1	1264.1	1267.1	1259.1
160°	1287.0	1281.0	1282.0	1286.0	1278.0
162.5°	1303.0	1297.0	1298.0	1304.0	1295.0
165°	1317.0	1311.0	1312.0	1318.0	1310.0
167.5°	1328.0	1322.0	1323.0	1330.0	1321.0
170°	1336.9	1330.0	1331.0	1338.9	1330.0
172.5°	1342.9	1335.9	1337.9	1344.9	1335.9
175°	1346.9	1340.9	1341.9	1349.9	1340.9
177.5°	1349.9	1343.9	1344.9	1351.9	1343.9
180°	1346.9	1346.9	1346.9	1346.9	1346.9

(END OF REPORT)