

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: P335083

Luminaire Tested: **S125IP-S1035U840-4F0-1E-UDD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P335083
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-S1035U840-4F0-1E-UDD
Description: DEFINE 5 INDIRECT LED LUMINAIRE, NO LENS
PENDANT MOUNT, 1035 LUMENS PER FOOT
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

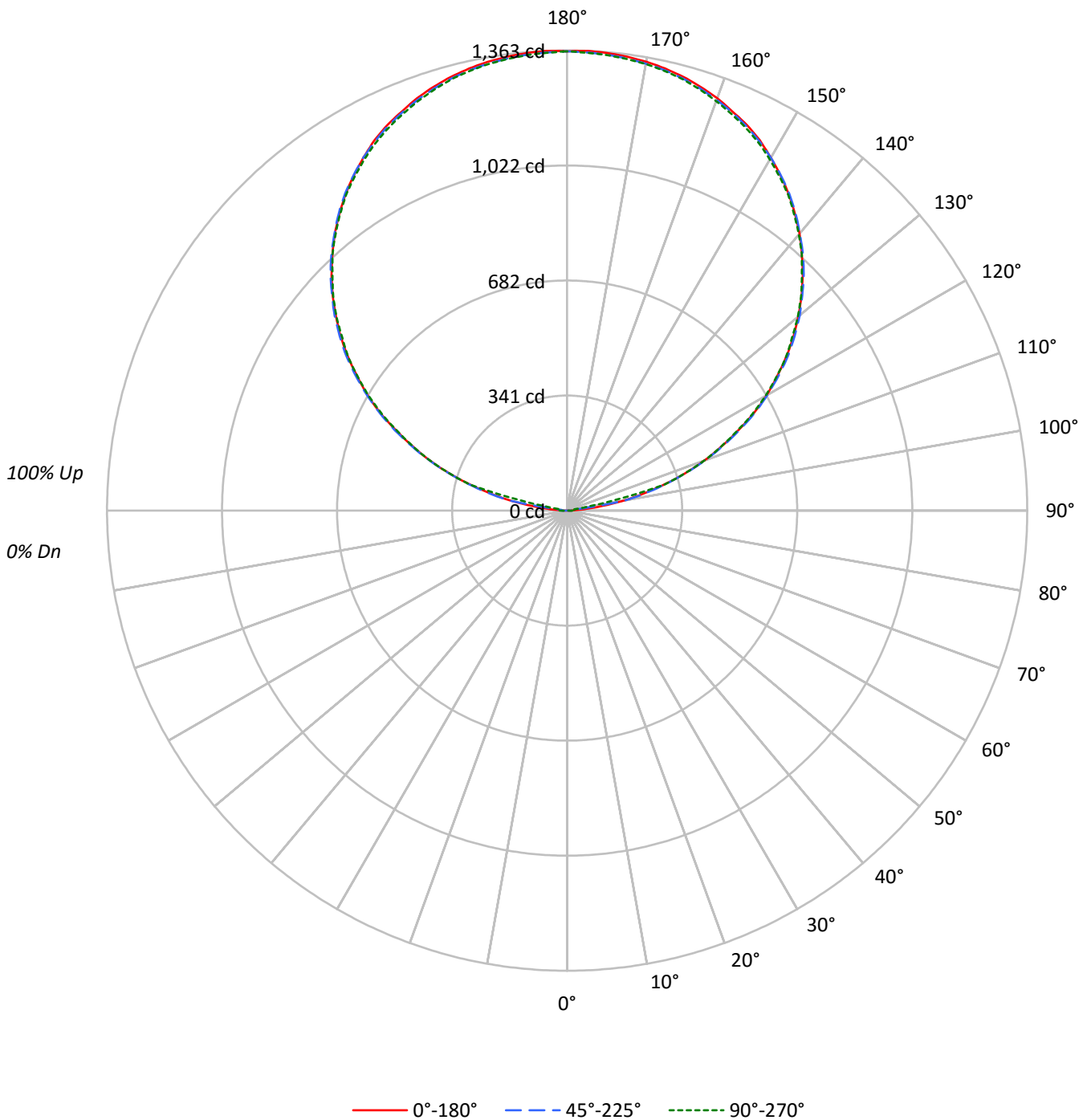
Lumens per Lamp: N/A
Luminaire Lumens: 4180.3 lumens
Efficiency: N/A
Efficacy: 119.1 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Indirect

Input Watts (W): 35.1
Input Voltage (V): 120
Input Current (A_{in}): 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°	2.0	0.0
90°-100°	46.2	1.1
100°-110°	307.0	7.3
110°-120°	552.8	13.2
120°-130°	709.6	17.0
130°-140°	763.2	18.3
140°-150°	716.3	17.1
150°-160°	579.4	13.9
160°-170°	374.7	9.0
170°-180°	129.2	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°	906.0	21.7
90°-150°	3095.0	74.0
90°-180°	4178.0	99.9
0°-180°	4180.3	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°	58	54	16	21	21	70
105°	296	300	300	300	300	314
115°	557	562	563	559	553	552
125°	792	799	799	795	792	707
135°	987	993	991	989	983	761
145°	1144	1146	1146	1148	1141	716
155°	1260	1254	1256	1259	1251	581
165°	1330	1324	1325	1331	1323	376
175°	1360	1354	1355	1363	1354	130
180°	1360	1360	1360	1360	1360	



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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	9.1	16.1	21.2	24.2
92.5°	19.2	10.1	16.1	21.2	22.2
95°	57.5	54.4	16.1	21.2	21.2
97.5°	107.9	113.9	18.1	20.2	21.2
100°	168.4	171.4	175.4	25.2	21.2
102.5°	229.9	233.9	235.9	238.0	153.3
105°	296.4	300.5	300.5	300.5	299.5
107.5°	365.0	365.0	367.0	368.0	364.0
110°	431.6	431.6	433.6	430.6	431.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	494.1	497.1	498.1	494.1	492.1
115°	556.6	561.6	562.6	558.6	552.6
117.5°	622.1	622.1	626.2	620.1	618.1
120°	682.6	681.6	684.6	682.6	677.6
122.5°	736.1	741.1	742.1	740.1	734.1
125°	791.5	798.6	798.6	794.6	791.5
127.5°	845.0	850.0	849.0	847.0	838.9
130°	893.4	898.4	899.4	896.4	891.4
132.5°	941.8	947.8	944.8	944.8	939.8
135°	987.1	993.2	991.2	989.2	983.1
137.5°	1029.5	1035.5	1033.5	1033.5	1028.5
140°	1070.8	1072.8	1071.8	1073.9	1067.8
142.5°	1108.1	1109.1	1111.2	1111.2	1105.1
145°	1144.4	1146.5	1146.5	1147.5	1141.4
147.5°	1176.7	1176.7	1177.7	1178.7	1171.7
150°	1207.0	1204.9	1207.0	1209.0	1200.9
152.5°	1236.2	1231.2	1233.2	1235.2	1228.1
155°	1260.4	1254.3	1256.4	1259.4	1251.3
157.5°	1279.6	1276.5	1276.5	1279.6	1271.5
160°	1299.7	1293.7	1294.7	1298.7	1290.6
162.5°	1315.9	1309.8	1310.8	1316.9	1307.8
165°	1330.0	1323.9	1324.9	1331.0	1322.9
167.5°	1341.1	1335.0	1336.0	1343.1	1334.0
170°	1350.1	1343.1	1344.1	1352.2	1343.1
172.5°	1356.2	1349.1	1351.1	1358.2	1349.1
175°	1360.2	1354.2	1355.2	1363.2	1354.2
177.5°	1363.2	1357.2	1358.2	1365.3	1357.2
180°	1360.2	1360.2	1360.2	1360.2	1360.2

(END OF REPORT)