

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: P335009

Luminaire Tested: **S125IP-S1205U835-4F0-1E-UDD-1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P335009  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S125IP-S1205U835-4F0-1E-UDD-1  
Description: DEFINE 5 INDIRECT LED LUMINAIRE, FLUSH SATIN WHITE DIFFUSER  
PENDANT MOUNT, 1205 LUMENS PER FOOT  
Light Source: 3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4169.8 lumens  
Efficiency: N/A  
Efficacy: 99.5 lumens/watt  
Spacing Criteria (0/90/45): - / - / -  
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')  
CIE Type: Indirect

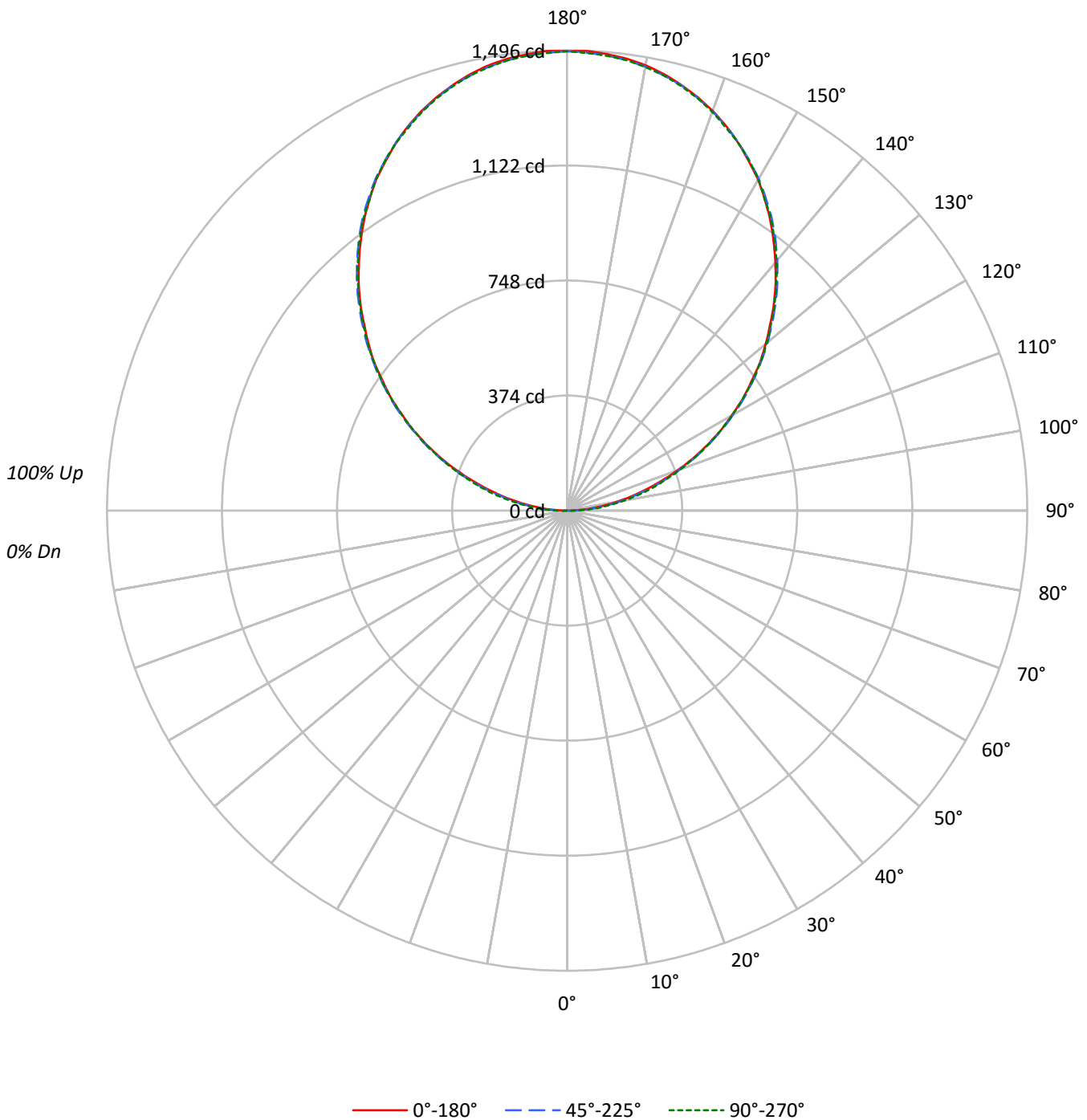
Input Watts (W): 41.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	2.3	0.1
90°-100°	99.3	2.4
100°-110°	295.0	7.1
110°-120°	500.3	12.0
120°-130°	658.6	15.8
130°-140°	738.0	17.7
140°-150°	723.4	17.3
150°-160°	607.6	14.6
160°-170°	403.9	9.7
170°-180°	141.3	3.4
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	2.3	0.1
90°-120°	894.6	21.5
90°-150°	3014.6	72.3
90°-180°	4167.0	99.9
0°-180°	4169.8	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	10	19	24	28	5
95°	76	78	90	98	100	79
105°	265	271	278	285	288	283
115°	501	506	508	507	506	496
125°	731	738	739	737	736	655
135°	951	958	959	959	954	733
145°	1152	1156	1160	1160	1156	720
155°	1318	1318	1319	1324	1318	607
165°	1433	1430	1432	1436	1429	404
175°	1490	1485	1485	1492	1484	142
180°	1493	1493	1493	1493	1493	



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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°	1.2	10.5	18.6	24.4	27.9
92.5°	34.9	40.7	51.1	59.3	61.6
95°	75.5	77.9	89.5	97.6	99.9
97.5°	116.2	117.4	133.6	140.6	141.8
100°	162.7	162.7	177.8	188.3	190.6
102.5°	212.7	218.5	224.3	235.9	239.4
105°	264.9	270.8	277.7	284.7	288.2
107.5°	321.9	327.7	333.5	337.0	337.0
110°	381.2	387.0	390.4	393.9	392.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	441.6	443.9	448.6	449.7	447.4
115°	500.8	505.5	507.8	506.7	505.5
117.5°	561.3	562.4	564.8	565.9	561.3
120°	617.0	622.9	624.0	624.0	619.4
122.5°	677.5	678.6	682.1	681.0	677.5
125°	730.9	737.9	739.1	736.7	735.6
127.5°	790.2	793.7	794.8	793.7	791.4
130°	842.5	848.3	850.6	849.5	847.1
132.5°	894.8	905.2	904.1	902.9	899.4
135°	950.6	957.5	958.7	958.7	954.0
137.5°	1002.8	1009.8	1012.1	1013.3	1007.5
140°	1052.8	1058.6	1062.1	1064.4	1058.6
142.5°	1102.8	1107.4	1112.1	1113.2	1107.4
145°	1151.6	1156.2	1159.7	1159.7	1156.2
147.5°	1196.9	1200.4	1202.7	1206.2	1196.9
150°	1242.2	1241.1	1245.7	1245.7	1243.4
152.5°	1279.4	1281.7	1282.9	1286.4	1281.7
155°	1317.8	1317.8	1318.9	1323.6	1317.8
157.5°	1352.6	1350.3	1351.5	1356.1	1348.0
160°	1382.8	1379.4	1380.5	1385.2	1379.4
162.5°	1409.6	1407.2	1407.2	1413.1	1406.1
165°	1432.8	1430.5	1431.6	1436.3	1429.3
167.5°	1453.7	1449.1	1449.1	1456.0	1449.1
170°	1470.0	1465.3	1465.3	1472.3	1464.2
172.5°	1481.6	1477.0	1477.0	1483.9	1477.0
175°	1489.7	1485.1	1485.1	1492.1	1483.9
177.5°	1495.6	1490.9	1489.7	1496.7	1488.6
180°	1493.2	1493.2	1493.2	1493.2	1493.2

(END OF REPORT)