

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: P335084

Luminaire Tested: **S125IP-S1205U840-4F0-1E-UDD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P335084
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-S1205U840-4F0-1E-UDD
Description: DEFINE 5 INDIRECT LED LUMINAIRE, NO LENS
PENDANT MOUNT, 1205 LUMENS PER FOOT
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

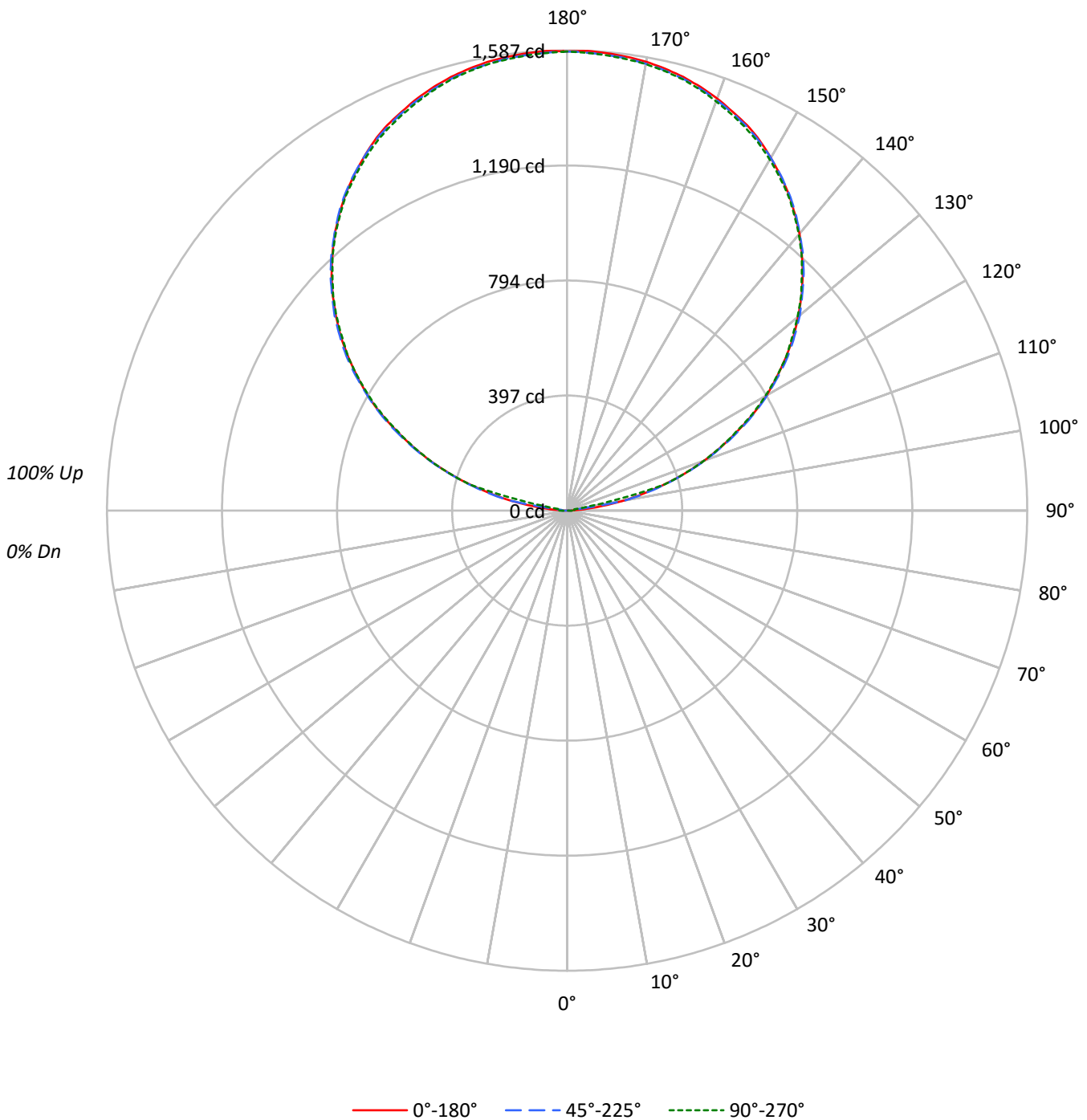
Lumens per Lamp: N/A
Luminaire Lumens: 4865.7 lumens
Efficiency: N/A
Efficacy: 116.1 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Indirect

Input Watts (W): 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°	2.4	0.0
90°-100°	53.7	1.1
100°-110°	357.3	7.3
110°-120°	643.5	13.2
120°-130°	825.9	17.0
130°-140°	888.3	18.3
140°-150°	833.7	17.1
150°-160°	674.4	13.9
160°-170°	436.1	9.0
170°-180°	150.4	3.1
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	2.4	0.0
90°-120°	1054.5	21.7
90°-150°	3602.4	74.0
90°-180°	4863.0	99.9
0°-180°	4865.7	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	11	19	25	28	3
95°	67	63	19	25	25	82
105°	345	350	350	350	349	366
115°	648	654	655	650	643	642
125°	921	930	930	925	921	823
135°	1149	1156	1154	1151	1144	886
145°	1332	1334	1334	1336	1329	833
155°	1467	1460	1462	1466	1456	676
165°	1548	1541	1542	1549	1540	437
175°	1583	1576	1577	1587	1576	151
180°	1583	1583	1583	1583	1583	



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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	10.6	18.8	24.6	28.2
92.5°	22.3	11.7	18.8	24.6	25.8
95°	66.9	63.4	18.8	24.6	24.6
97.5°	125.6	132.6	21.1	23.5	24.6
100°	196.0	199.5	204.2	29.3	24.6
102.5°	267.6	272.3	274.6	277.0	178.4
105°	345.1	349.7	349.7	349.7	348.6
107.5°	424.9	424.9	427.2	428.4	423.7
110°	502.3	502.3	504.7	501.1	502.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	575.1	578.6	579.8	575.1	572.7
115°	647.9	653.7	654.9	650.2	643.2
117.5°	724.1	724.1	728.8	721.8	719.4
120°	794.6	793.4	796.9	794.6	788.7
122.5°	856.8	862.6	863.8	861.5	854.4
125°	921.3	929.5	929.5	924.8	921.3
127.5°	983.5	989.4	988.2	985.9	976.5
130°	1039.9	1045.7	1046.9	1043.4	1037.5
132.5°	1096.2	1103.2	1099.7	1099.7	1093.8
135°	1149.0	1156.0	1153.7	1151.3	1144.3
137.5°	1198.3	1205.3	1203.0	1203.0	1197.1
140°	1246.4	1248.8	1247.6	1249.9	1242.9
142.5°	1289.8	1291.0	1293.4	1293.4	1286.3
145°	1332.1	1334.4	1334.4	1335.6	1328.6
147.5°	1369.6	1369.6	1370.8	1372.0	1363.8
150°	1404.9	1402.5	1404.9	1407.2	1397.8
152.5°	1438.9	1433.0	1435.4	1437.7	1429.5
155°	1467.1	1460.0	1462.4	1465.9	1456.5
157.5°	1489.4	1485.8	1485.8	1489.4	1480.0
160°	1512.8	1505.8	1507.0	1511.7	1502.3
162.5°	1531.6	1524.6	1525.7	1532.8	1522.2
165°	1548.0	1541.0	1542.2	1549.2	1539.8
167.5°	1561.0	1553.9	1555.1	1563.3	1552.7
170°	1571.5	1563.3	1564.5	1573.9	1563.3
172.5°	1578.6	1570.3	1572.7	1580.9	1570.3
175°	1583.3	1576.2	1577.4	1586.8	1576.2
177.5°	1586.8	1579.7	1580.9	1589.1	1579.7
180°	1583.3	1583.3	1583.3	1583.3	1583.3

(END OF REPORT)