

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: P335004

Luminaire Tested: **S125IP-S1205U830-4F0-1E-UDD-1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P335004
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-S1205U830-4F0-1E-UDD-1
Description: DEFINE 5 INDIRECT LED LUMINAIRE, FLUSH SATIN WHITE DIFFUSER
PENDANT MOUNT, 1205 LUMENS PER FOOT
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

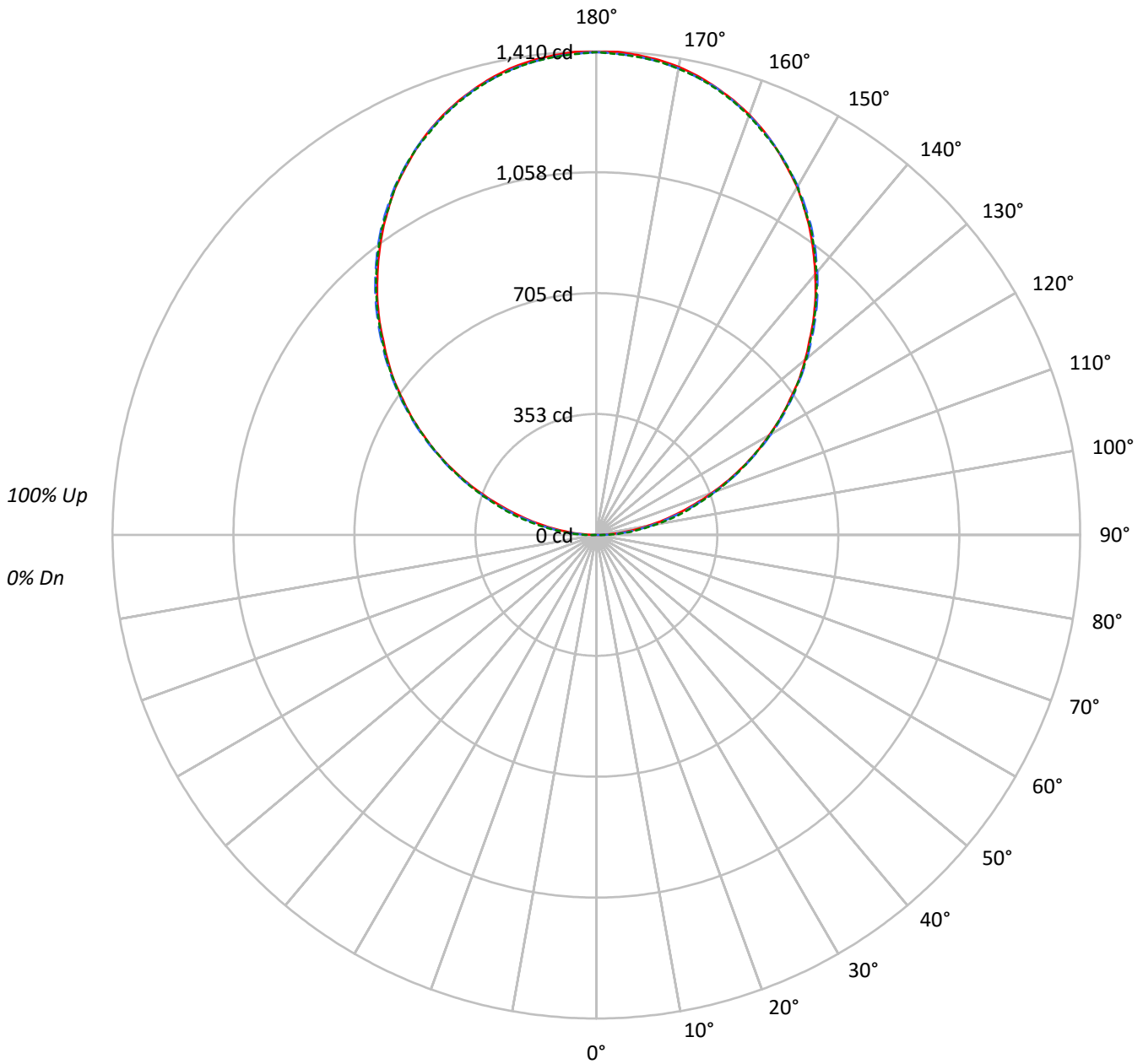
Lumens per Lamp: N/A
Luminaire Lumens: 3930.2 lumens
Efficiency: N/A
Efficacy: 93.8 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Indirect

Input Watts (W): 41.9
Input Voltage (V): 120
Input Current (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



— 0°-180° - - 45°-225° - - - 90°-270°



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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°	2.2	0.1
90°-100°	93.6	2.4
100°-110°	278.0	7.1
110°-120°	471.5	12.0
120°-130°	620.8	15.8
130°-140°	695.6	17.7
140°-150°	681.8	17.3
150°-160°	572.7	14.6
160°-170°	380.7	9.7
170°-180°	133.2	3.4
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	2.2	0.1
90°-120°	843.1	21.5
90°-150°	2841.3	72.3
90°-180°	3928.0	99.9
0°-180°	3930.2	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	10	18	23	26	5
95°	71	73	84	92	94	74
105°	250	255	262	268	272	266
115°	472	476	479	478	476	467
125°	689	696	697	694	693	617
135°	896	902	904	904	899	691
145°	1085	1090	1093	1093	1090	679
155°	1242	1242	1243	1248	1242	572
165°	1350	1348	1349	1354	1347	381
175°	1404	1400	1400	1406	1399	133
180°	1407	1407	1407	1407	1407	



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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°	1.1	9.9	17.5	23.0	26.3
92.5°	32.9	38.3	48.2	55.9	58.0
95°	71.2	73.4	84.3	92.0	94.2
97.5°	109.5	110.6	126.0	132.5	133.6
100°	153.3	153.3	167.6	177.4	179.6
102.5°	200.4	205.9	211.4	222.3	225.6
105°	249.7	255.2	261.8	268.3	271.6
107.5°	303.4	308.9	314.3	317.6	317.6
110°	359.3	364.7	368.0	371.3	370.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	416.2	418.4	422.8	423.9	421.7
115°	472.1	476.4	478.6	477.5	476.4
117.5°	529.0	530.1	532.3	533.4	529.0
120°	581.6	587.1	588.2	588.2	583.8
122.5°	638.5	639.6	642.9	641.8	638.5
125°	688.9	695.5	696.6	694.4	693.3
127.5°	744.8	748.1	749.2	748.1	745.9
130°	794.1	799.6	801.7	800.6	798.5
132.5°	843.4	853.2	852.1	851.0	847.7
135°	895.9	902.5	903.6	903.6	899.2
137.5°	945.2	951.8	954.0	955.1	949.6
140°	992.3	997.8	1001.1	1003.3	997.8
142.5°	1039.4	1043.8	1048.2	1049.3	1043.8
145°	1085.4	1089.8	1093.1	1093.1	1089.8
147.5°	1128.1	1131.4	1133.6	1136.9	1128.1
150°	1170.9	1169.8	1174.1	1174.1	1171.9
152.5°	1205.9	1208.1	1209.2	1212.5	1208.1
155°	1242.0	1242.0	1243.1	1247.5	1242.0
157.5°	1274.9	1272.7	1273.8	1278.2	1270.5
160°	1303.4	1300.1	1301.2	1305.6	1300.1
162.5°	1328.6	1326.4	1326.4	1331.9	1325.3
165°	1350.5	1348.3	1349.4	1353.8	1347.2
167.5°	1370.2	1365.8	1365.8	1372.4	1365.8
170°	1385.5	1381.1	1381.1	1387.7	1380.1
172.5°	1396.5	1392.1	1392.1	1398.7	1392.1
175°	1404.1	1399.8	1399.8	1406.3	1398.7
177.5°	1409.6	1405.2	1404.1	1410.7	1403.1
180°	1407.4	1407.4	1407.4	1407.4	1407.4

(END OF REPORT)