

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: P335108

Luminaire Tested: **S125IW-S1340U830-4F0-1E-UDD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P335108
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: S125IW-S1340U830-4F0-1E-UDD
Description: DEFINE 5 INDIRECT LED LUMINAIRE, NO LENS
WALL MOUNT, 1340 LUMENS PER FOOT
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

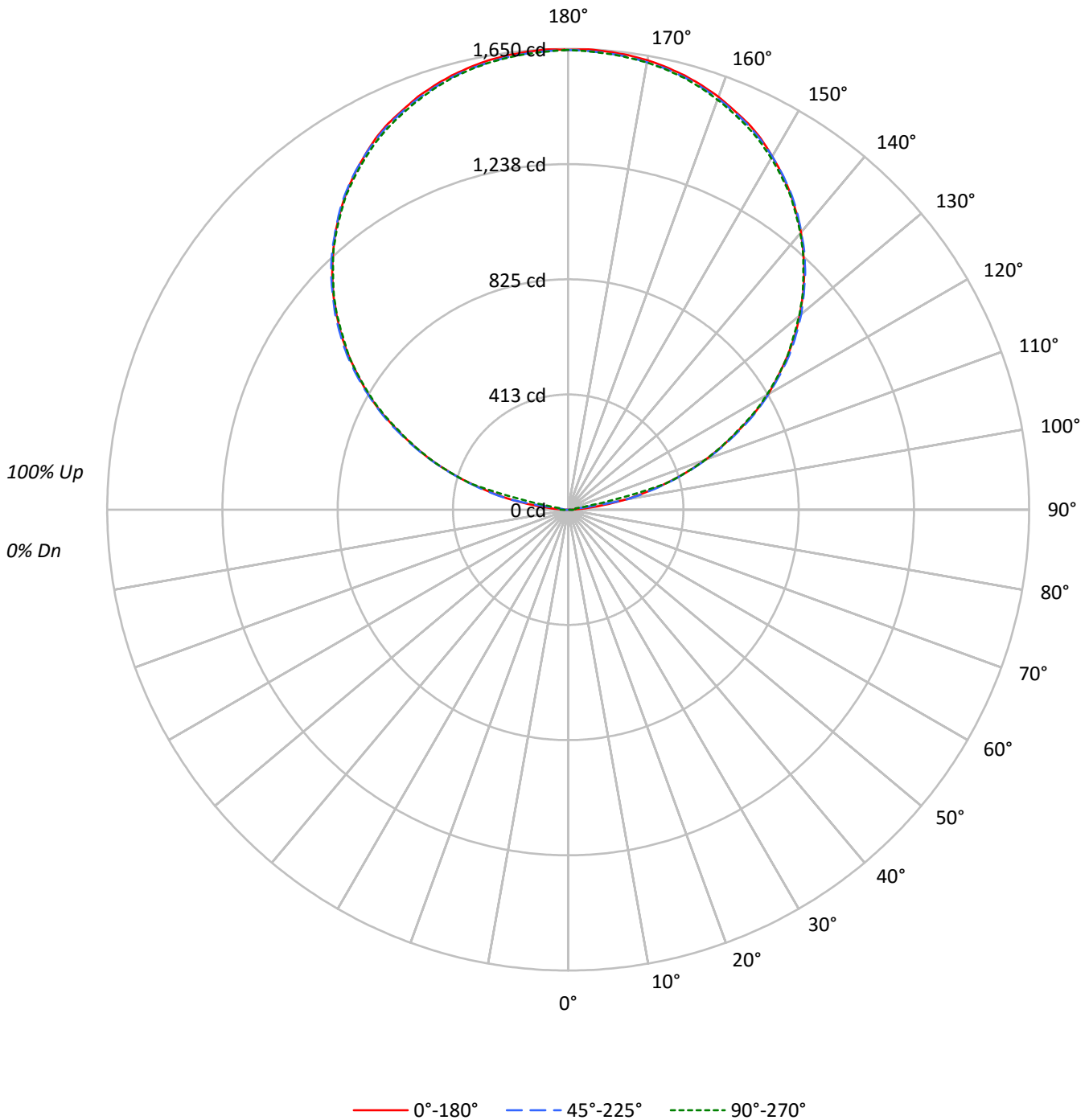
Lumens per Lamp: N/A
Luminaire Lumens: 5059.4 lumens
Efficiency: N/A
Efficacy: 196.9 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Indirect

Input Watts (W): 25.7
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°	2.4	0.0
90°-100°	55.9	1.1
100°-110°	371.5	7.3
110°-120°	669.1	13.2
120°-130°	858.8	17.0
130°-140°	923.7	18.3
140°-150°	866.9	17.1
150°-160°	701.2	13.9
160°-170°	453.5	9.0
170°-180°	156.4	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°	1096.5	21.7
90°-150°	3745.8	74.0
90°-180°	5057.0	100.0
0°-180°	5059.4	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	20	26	29	4
95°	70	66	20	26	26	85
105°	359	364	364	364	362	380
115°	674	680	681	676	669	668
125°	958	966	966	962	958	856
135°	1195	1202	1200	1197	1190	921
145°	1385	1388	1388	1389	1381	866
155°	1525	1518	1521	1524	1514	703
165°	1610	1602	1604	1611	1601	455
175°	1646	1639	1640	1650	1639	157
180°	1646	1646	1646	1646	1646	



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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	11.0	19.5	25.6	29.3
92.5°	23.2	12.2	19.5	25.6	26.8
95°	69.6	65.9	19.5	25.6	25.6
97.5°	130.6	137.9	22.0	24.4	25.6
100°	203.8	207.5	212.3	30.5	25.6
102.5°	278.2	283.1	285.6	288.0	185.5
105°	358.8	363.7	363.7	363.7	362.4
107.5°	441.8	441.8	444.2	445.4	440.5
110°	522.3	522.3	524.8	521.1	522.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	598.0	601.6	602.9	598.0	595.5
115°	673.6	679.7	681.0	676.1	668.8
117.5°	753.0	753.0	757.8	750.5	748.1
120°	826.2	825.0	828.6	826.2	820.1
122.5°	890.9	897.0	898.2	895.7	888.4
125°	958.0	966.5	966.5	961.6	958.0
127.5°	1022.7	1028.8	1027.5	1025.1	1015.3
130°	1081.2	1087.3	1088.6	1084.9	1078.8
132.5°	1139.8	1147.1	1143.5	1143.5	1137.4
135°	1194.7	1202.0	1199.6	1197.2	1189.8
137.5°	1246.0	1253.3	1250.9	1250.9	1244.8
140°	1296.0	1298.5	1297.2	1299.7	1292.4
142.5°	1341.2	1342.4	1344.8	1344.8	1337.5
145°	1385.1	1387.5	1387.5	1388.8	1381.4
147.5°	1424.2	1424.2	1425.4	1426.6	1418.1
150°	1460.8	1458.3	1460.8	1463.2	1453.4
152.5°	1496.2	1490.1	1492.5	1494.9	1486.4
155°	1525.4	1518.1	1520.6	1524.2	1514.5
157.5°	1548.6	1545.0	1545.0	1548.6	1538.9
160°	1573.0	1565.7	1566.9	1571.8	1562.1
162.5°	1592.6	1585.2	1586.5	1593.8	1582.8
165°	1609.6	1602.3	1603.5	1610.9	1601.1
167.5°	1623.1	1615.7	1617.0	1625.5	1614.5
170°	1634.1	1625.5	1626.7	1636.5	1625.5
172.5°	1641.4	1632.8	1635.3	1643.8	1632.8
175°	1646.3	1638.9	1640.2	1649.9	1638.9
177.5°	1649.9	1642.6	1643.8	1652.4	1642.6
180°	1646.3	1646.3	1646.3	1646.3	1646.3

(END OF REPORT)