

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: P335129

Luminaire Tested: **S125IW-S1560U930-4F0-1E-UDD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P335129
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-S1560U930-4F0-1E-UDD
Description: DEFINE 5 INDIRECT LED LUMINAIRE, NO LENS
WALL MOUNT, 1560 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

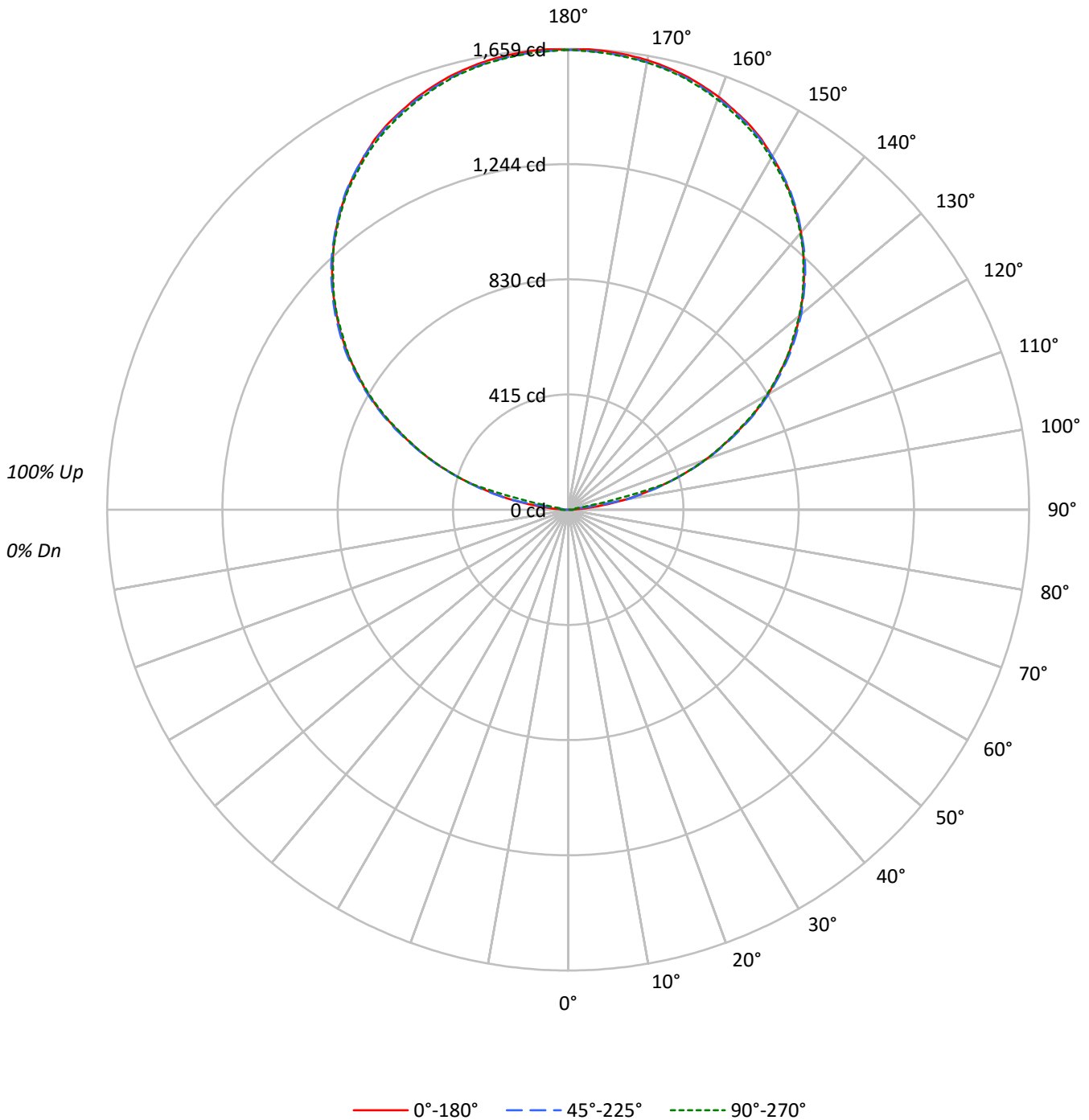
Lumens per Lamp: N/A
Luminaire Lumens: 5088.2 lumens
Efficiency: N/A
Efficacy: 166.3 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Indirect

Input Watts (W): 30.6
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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CATALOG NUMBER: S125IW-S1560U930-4F0-1E-UDD

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°	2.5	0.0
90°-100°	56.2	1.1
100°-110°	373.6	7.3
110°-120°	672.9	13.2
120°-130°	863.7	17.0
130°-140°	928.9	18.3
140°-150°	871.8	17.1
150°-160°	705.2	13.9
160°-170°	456.1	9.0
170°-180°	157.3	3.1
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	2.5	0.0
90°-120°	1102.7	21.7
90°-150°	3767.2	74.0
90°-180°	5086.0	100.0
0°-180°	5088.2	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	11	20	26	30	4
95°	70	66	20	26	26	86
105°	361	366	366	366	364	382
115°	678	684	685	680	673	672
125°	963	972	972	967	963	861
135°	1202	1209	1206	1204	1197	926
145°	1393	1396	1396	1397	1389	871
155°	1534	1527	1529	1533	1523	707
165°	1619	1612	1613	1620	1610	457
175°	1656	1648	1650	1659	1648	158
180°	1656	1656	1656	1656	1656	



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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	19.6	25.8	29.5
92.5°	23.3	12.3	19.6	25.8	27.0
95°	70.0	66.3	19.6	25.8	25.8
97.5°	131.3	138.7	22.1	24.5	25.8
100°	205.0	208.6	213.6	30.7	25.8
102.5°	279.8	284.7	287.2	289.6	186.6
105°	360.8	365.7	365.7	365.7	364.5
107.5°	444.3	444.3	446.7	448.0	443.1
110°	525.3	525.3	527.7	524.1	525.3



TEST NUMBER: P335129

CATALOG NUMBER: S125IW-S1560U930-4F0-1E-UDD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	601.4	605.1	606.3	601.4	598.9
115°	677.5	683.6	684.8	679.9	672.6
117.5°	757.3	757.3	762.2	754.8	752.3
120°	830.9	829.7	833.3	830.9	824.8
122.5°	895.9	902.1	903.3	900.8	893.5
125°	963.4	972.0	972.0	967.1	963.4
127.5°	1028.5	1034.6	1033.4	1030.9	1021.1
130°	1087.4	1093.5	1094.8	1091.1	1084.9
132.5°	1146.3	1153.7	1150.0	1150.0	1143.9
135°	1201.5	1208.9	1206.4	1204.0	1196.6
137.5°	1253.1	1260.5	1258.0	1258.0	1251.9
140°	1303.4	1305.9	1304.6	1307.1	1299.7
142.5°	1348.8	1350.0	1352.5	1352.5	1345.1
145°	1393.0	1395.5	1395.5	1396.7	1389.3
147.5°	1432.3	1432.3	1433.5	1434.7	1426.1
150°	1469.1	1466.6	1469.1	1471.5	1461.7
152.5°	1504.7	1498.5	1501.0	1503.5	1494.9
155°	1534.1	1526.8	1529.2	1532.9	1523.1
157.5°	1557.5	1553.8	1553.8	1557.5	1547.6
160°	1582.0	1574.6	1575.9	1580.8	1571.0
162.5°	1601.6	1594.3	1595.5	1602.9	1591.8
165°	1618.8	1611.5	1612.7	1620.1	1610.2
167.5°	1632.3	1625.0	1626.2	1634.8	1623.7
170°	1643.4	1634.8	1636.0	1645.8	1634.8
172.5°	1650.7	1642.1	1644.6	1653.2	1642.1
175°	1655.6	1648.3	1649.5	1659.3	1648.3
177.5°	1659.3	1652.0	1653.2	1661.8	1652.0
180°	1655.6	1655.6	1655.6	1655.6	1655.6

(END OF REPORT)