

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: P335019

Luminaire Tested: **S125IP-S1205U927-4F0-1E-UDD-1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P335019
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-S1205U927-4F0-1E-UDD-1
Description: DEFINE 5 INDIRECT LED LUMINAIRE, FLUSH SATIN WHITE DIFFUSER
PENDANT MOUNT, 1205 LUMENS PER FOOT
Light Source: 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3303.2 lumens
Efficiency: N/A
Efficacy: 78.8 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Indirect

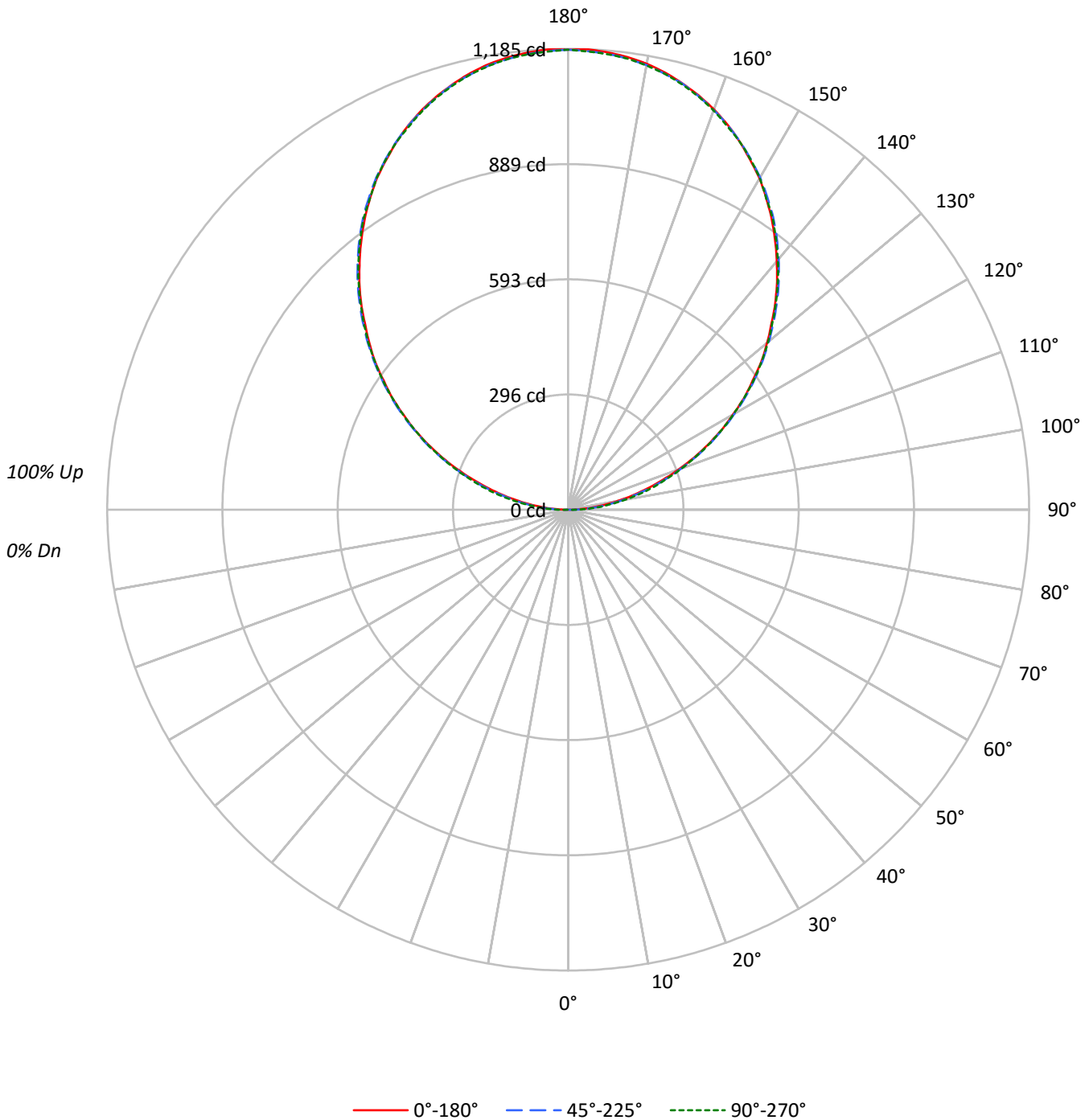
Input Watts (W): 41.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1.8	0.1
90°-100°	78.7	2.4
100°-110°	233.7	7.1
110°-120°	396.3	12.0
120°-130°	521.7	15.8
130°-140°	584.6	17.7
140°-150°	573.1	17.3
150°-160°	481.4	14.6
160°-170°	320.0	9.7
170°-180°	112.0	3.4
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	1.8	0.1
90°-120°	708.7	21.5
90°-150°	2388.1	72.3
90°-180°	3301.0	99.9
0°-180°	3303.2	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	8	15	19	22	4
95°	60	62	71	77	79	63
105°	210	214	220	226	228	224
115°	397	400	402	401	400	393
125°	579	585	586	584	583	519
135°	753	758	760	760	756	580
145°	912	916	919	919	916	570
155°	1044	1044	1045	1048	1044	481
165°	1135	1133	1134	1138	1132	320
175°	1180	1176	1176	1182	1176	112
180°	1183	1183	1183	1183	1183	



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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°	0.9	8.3	14.7	19.3	22.1
92.5°	27.6	32.2	40.5	46.9	48.8
95°	59.8	61.7	70.9	77.3	79.2
97.5°	92.1	93.0	105.9	111.4	112.3
100°	128.9	128.9	140.8	149.1	151.0
102.5°	168.5	173.1	177.7	186.9	189.6
105°	209.9	214.5	220.0	225.5	228.3
107.5°	255.0	259.6	264.2	267.0	267.0
110°	301.9	306.5	309.3	312.1	311.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	349.8	351.7	355.3	<i>356.3</i>	354.4
115°	396.8	400.4	402.3	<i>401.4</i>	400.4
117.5°	444.6	445.5	447.4	<i>448.3</i>	444.6
120°	488.8	493.4	494.3	<i>494.3</i>	490.7
122.5°	536.7	537.6	540.4	<i>539.4</i>	536.7
125°	579.0	584.6	585.5	<i>583.6</i>	582.7
127.5°	626.0	628.7	629.7	<i>628.7</i>	626.9
130°	667.4	672.0	673.8	<i>672.9</i>	671.1
132.5°	708.8	717.1	716.2	<i>715.3</i>	712.5
135°	753.0	758.5	759.5	<i>759.5</i>	755.8
137.5°	794.4	800.0	801.8	<i>802.7</i>	798.1
140°	834.0	838.6	841.4	<i>843.2</i>	838.6
142.5°	873.6	877.3	881.0	<i>881.9</i>	877.3
145°	912.3	916.0	918.7	<i>918.7</i>	916.0
147.5°	948.2	950.9	952.8	<i>955.5</i>	948.2
150°	984.1	983.2	986.8	<i>986.8</i>	985.0
152.5°	1013.5	1015.4	1016.3	<i>1019.1</i>	1015.4
155°	1043.9	1043.9	1044.8	<i>1048.5</i>	1043.9
157.5°	1071.5	1069.7	1070.6	<i>1074.3</i>	1067.8
160°	1095.5	1092.7	1093.6	<i>1097.3</i>	1092.7
162.5°	1116.6	1114.8	1114.8	<i>1119.4</i>	1113.9
165°	1135.0	1133.2	1134.1	<i>1137.8</i>	1132.3
167.5°	1151.6	1147.9	1147.9	<i>1153.5</i>	1147.9
170°	1164.5	1160.8	1160.8	<i>1166.3</i>	1159.9
172.5°	1173.7	1170.0	1170.0	<i>1175.5</i>	1170.0
175°	1180.2	1176.5	1176.5	<i>1182.0</i>	1175.5
177.5°	<i>1184.8</i>	<i>1181.1</i>	<i>1180.2</i>	<i>1185.7</i>	<i>1179.2</i>
180°	1182.9	1182.9	1182.9	<i>1182.9</i>	1182.9

(END OF REPORT)