

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: CORELITE

Report Number: P738028

Luminaire Tested: **14PT-80-PW1-L935**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738028
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-80-PW1-L935
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

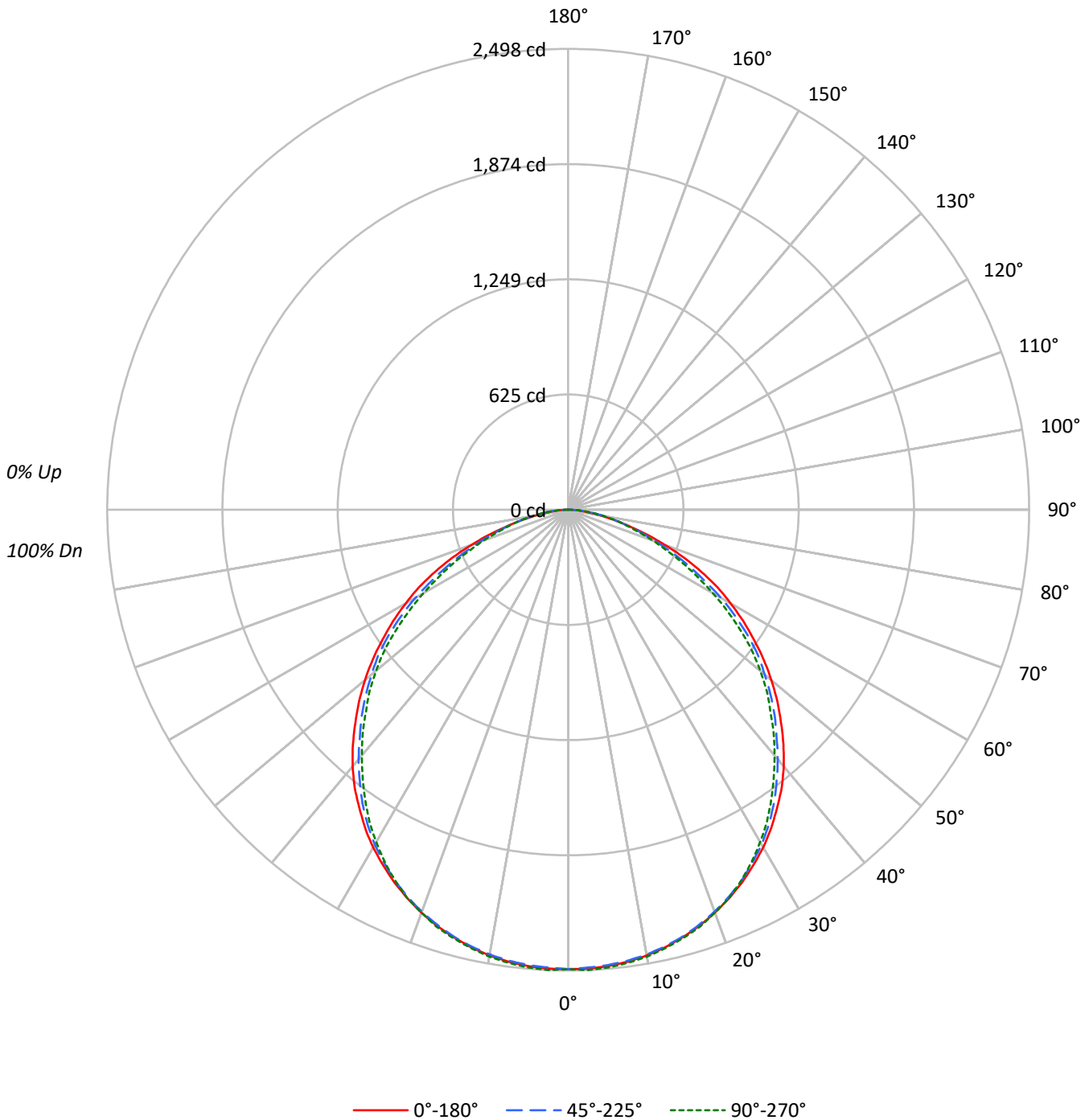
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6609.0 lumens
Efficiency: N/A
Efficacy: 93.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 0.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 71
Input Voltage (V): NR
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

TEST NUMBER: P738028
CATALOG NUMBER: 14PT-80-PW1-L935

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7467	7467	7467
5°	7473	7456	7495
10°	7470	7453	7489
15°	7446	7435	7464
20°	7416	7398	7416
25°	7375	7344	7338
30°	7318	7254	7203
35°	7220	7112	7021
40°	7111	6916	6808
45°	6913	6710	6573
50°	6705	6486	6335
55°	6424	6208	5961
60°	6091	5732	5433
65°	5636	5119	4864
70°	4885	4457	4287
75°	3901	3816	3709
80°	2963	3313	3313
85°	2191	2824	2824



TEST NUMBER: P738028

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	236.2	3.6
10°-20°	677.4	10.2
20°-30°	1023.8	15.5
30°-40°	1215.6	18.4
40°-50°	1224.8	18.5
50°-60°	1058.6	16.0
60°-70°	723.5	10.9
70°-80°	356.8	5.4
80°-90°	92.3	1.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1937.4	29.3
0°-40°	3153.0	47.7
0°-60°	5436.4	82.3
0°-90°	6609.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6609.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2490	2490	2490	2490	2490	
5°	2483	2484	2478	2488	2490	236
15°	2399	2402	2395	2404	2405	677
25°	2229	2228	2220	2222	2218	1027
35°	1973	1966	1943	1926	1918	1235
45°	1630	1613	1582	1564	1550	1258
55°	1229	1225	1188	1152	1140	1099
65°	794	766	722	690	686	784
75°	337	334	329	329	320	367
85°	64	75	82	84	82	78
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2490.5	2490.5	2490.5	2490.5	2490.5
2.5°	2489.6	2490.5	2484.0	2495.1	2497.9
5°	2483.1	2484.0	2477.6	2487.7	2490.5
7.5°	2471.1	2472.9	2465.6	2475.7	2477.6
10°	2453.6	2454.5	2448.0	2458.2	2460.0
12.5°	2429.6	2430.5	2425.0	2434.2	2434.2
15°	2399.1	2401.9	2395.4	2403.7	2404.7
17.5°	2365.0	2365.9	2359.5	2368.7	2370.5
20°	2324.4	2324.4	2318.9	2326.2	2324.4
22.5°	2279.2	2279.2	2272.7	2276.4	2278.3
25°	2229.3	2227.5	2220.1	2222.0	2218.3
27.5°	2172.1	2172.1	2159.2	2159.2	2152.8
30°	2114.0	2109.4	2095.5	2087.2	2080.8
32.5°	2047.6	2041.1	2023.6	2008.8	2004.2
35°	1972.8	1966.4	1943.3	1925.8	1918.4
37.5°	1900.8	1886.1	1855.6	1838.1	1829.8
40°	1816.9	1798.4	1767.1	1743.1	1739.4
42.5°	1726.5	1711.7	1671.1	1653.6	1648.9
45°	1630.5	1613.0	1582.5	1564.0	1550.2
47.5°	1536.4	1523.4	1488.4	1466.2	1461.6
50°	1437.6	1426.6	1390.6	1366.6	1358.3
52.5°	1335.2	1327.8	1297.4	1266.9	1256.8
55°	1229.1	1225.4	1187.6	1152.5	1140.5
57.5°	1124.8	1120.2	1073.1	1032.5	1021.5
60°	1015.9	1002.1	956.0	918.1	906.1
62.5°	912.6	883.1	833.2	803.7	789.9
65°	794.5	765.9	721.6	690.2	685.6
67.5°	678.2	644.1	609.9	590.6	575.8
70°	557.3	534.3	508.4	491.8	489.1
72.5°	444.8	428.2	415.2	405.1	396.8
75°	336.8	334.0	329.4	329.4	320.2
77.5°	247.3	253.8	257.4	256.5	258.4
80°	171.6	184.5	191.9	192.9	191.9
82.5°	108.9	123.6	135.6	137.5	139.3
85°	63.7	74.7	82.1	84.0	82.1
87.5°	28.6	36.0	37.8	39.7	37.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)