

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: P738649

Luminaire Tested: **24PT-72-PW1-L840**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738649
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-13)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-72-PW1-L840
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

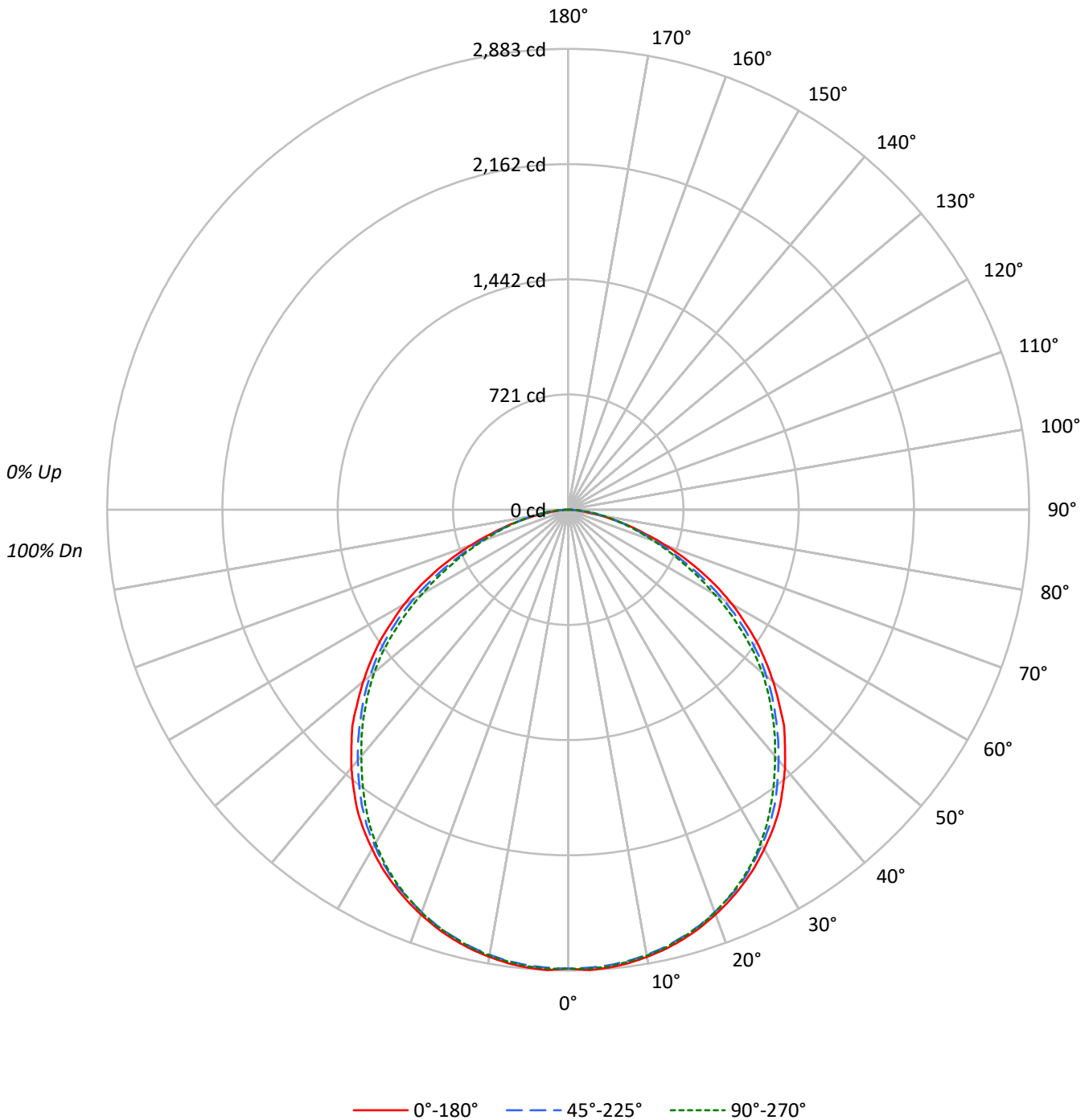
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7656.0 lumens
Efficiency: N/A
Efficacy: 127.4 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.24 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 60.1
Input Voltage (V): NR
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	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	56	68	61	56		66	60	55		64	58	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	61	48	40	34	60	47	39	34	46	39	34		45	38	33		44	38	33	31
9	57	44	36	31	56	44	36	31	42	35	30		41	35	30		40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28		38	32	27		37	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4117	4117	4117
5°	4140	4120	4128
10°	4137	4118	4125
15°	4129	4107	4112
20°	4113	4089	4091
25°	4091	4067	4051
30°	4059	4012	3987
35°	4022	3941	3885
40°	3948	3832	3768
45°	3870	3720	3659
50°	3733	3607	3531
55°	3596	3443	3318
60°	3399	3190	3025
65°	3112	2842	2695
70°	2697	2464	2373
75°	2207	2125	2097
80°	1611	1817	1871
85°	1079	1515	1612



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	272.3	3.6
10°-20°	781.8	10.2
20°-30°	1183.2	15.5
30°-40°	1407.8	18.4
40°-50°	1422.1	18.6
50°-60°	1230.5	16.1
60°-70°	840.6	11.0
70°-80°	414.2	5.4
80°-90°	103.5	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°	2237.3	29.2
0°-40°	3645.1	47.6
0°-60°	6297.7	82.3
0°-90°	7656.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7656.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2871	2871	2871	2871	2871	
5°	2876	2866	2862	2860	2868	273
15°	2782	2772	2767	2765	2770	785
25°	2586	2576	2571	2561	2561	1192
35°	2298	2279	2251	2226	2220	1434
45°	1908	1876	1834	1814	1805	1465
55°	1439	1419	1377	1348	1327	1281
65°	917	882	838	810	794	906
75°	398	387	384	381	378	426
85°	66	81	92	96	98	84
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2871.3	2871.3	2871.3	2871.3	2871.3
2.5°	2882.9	2872.1	2868.8	2866.3	2873.8
5°	2876.3	2865.5	2862.2	2859.7	2868.0
7.5°	2862.2	2851.4	2848.1	2845.6	2852.2
10°	2841.4	2831.5	2828.1	2825.6	2833.1
12.5°	2814.8	2805.7	2801.6	2798.2	2806.5
15°	2781.6	2772.5	2766.7	2765.0	2770.0
17.5°	2741.8	2732.7	2728.5	2726.0	2731.8
20°	2695.3	2685.4	2679.5	2676.2	2681.2
22.5°	2643.9	2633.9	2626.4	2623.1	2624.8
25°	2585.7	2575.8	2570.8	2560.8	2560.8
27.5°	2523.5	2511.9	2499.4	2488.6	2489.5
30°	2451.3	2438.0	2423.0	2408.9	2408.1
32.5°	2378.2	2361.6	2343.4	2324.3	2318.5
35°	2297.7	2278.6	2251.2	2226.3	2219.7
37.5°	2203.1	2185.6	2149.1	2128.4	2117.6
40°	2109.3	2084.4	2047.0	2022.9	2013.0
42.5°	2006.3	1982.3	1942.4	1920.0	1911.7
45°	1908.4	1876.0	1834.5	1813.8	1804.6
47.5°	1786.4	1759.8	1730.7	1706.7	1695.1
50°	1673.5	1651.9	1617.0	1590.5	1583.0
52.5°	1555.6	1537.3	1504.1	1469.3	1461.0
55°	1438.6	1418.6	1377.1	1348.1	1327.3
57.5°	1306.6	1289.1	1250.1	1212.8	1194.5
60°	1185.4	1155.5	1112.3	1071.7	1055.0
62.5°	1053.4	1024.3	974.5	933.0	923.9
65°	917.3	882.4	837.6	810.2	794.4
67.5°	779.5	745.4	708.1	690.6	680.7
70°	643.3	615.9	587.7	575.3	566.1
72.5°	512.2	496.4	480.6	475.6	467.3
75°	398.4	386.8	383.5	381.0	378.5
77.5°	287.2	293.0	296.3	299.7	296.3
80°	195.1	207.5	220.0	226.6	226.6
82.5°	120.4	141.9	152.7	159.4	158.5
85°	65.6	81.3	92.1	95.5	98.0
87.5°	26.6	33.2	37.4	40.7	42.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)