

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: P738705

Luminaire Tested: **24PT-90-PR1-L840**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738705
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-15)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-90-PR1-L840
Description: 9000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND RIPLE LENS

Light Source: -
Ballast/Driver: -

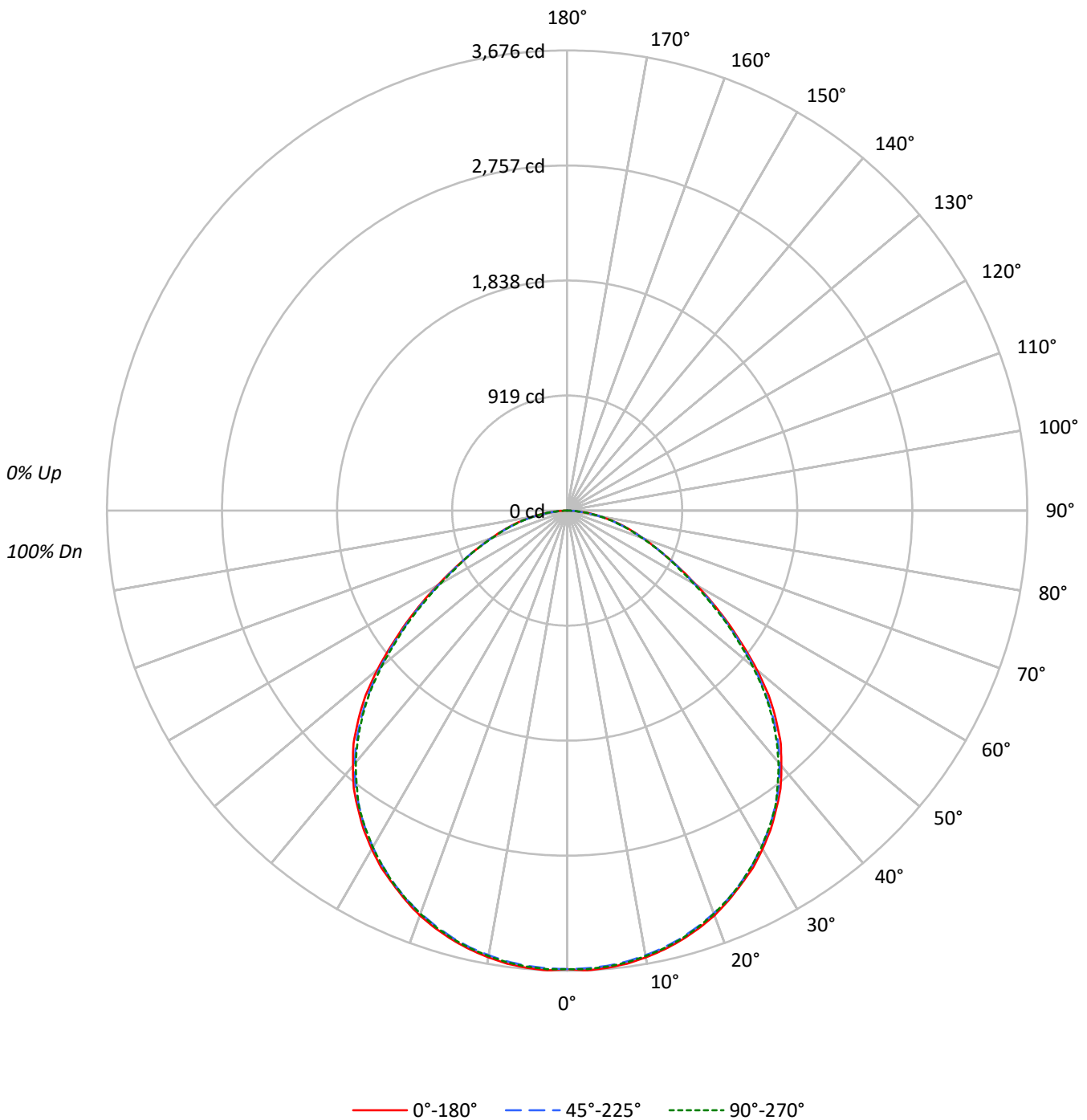
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9330.0 lumens
Efficiency: N/A
Efficacy: 123.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 75.7
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

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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	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85				85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72				72
3	92	82	74	68	89	80	73	67	77	71	66	75	70	65	72	68	64	62				62
4	84	73	65	58	82	72	64	58	69	62	57	67	61	56	65	60	56	53				53
5	78	66	57	51	76	64	56	50	62	55	50	60	54	49	59	53	49	47				47
6	72	59	51	44	70	58	50	44	57	49	44	55	48	43	53	48	43	41				41
7	67	54	45	39	65	53	45	39	52	44	39	50	44	39	49	43	38	36				36
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33				33
9	58	45	37	32	57	45	37	32	44	37	32	42	36	31	41	36	31	29				29
10	55	42	34	29	53	41	34	29	40	33	29	39	33	29	38	33	28	27				27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5253	5253	5253
5°	5277	5255	5264
10°	5276	5251	5262
15°	5268	5245	5254
20°	5251	5225	5230
25°	5209	5192	5196
30°	5168	5139	5139
35°	5097	5066	5072
40°	4981	4939	4918
45°	4783	4706	4681
50°	4415	4351	4310
55°	3930	3874	3848
60°	3426	3388	3352
65°	3002	3005	2988
70°	2701	2693	2654
75°	2516	2442	2448
80°	2247	2204	2204
85°	1732	1783	1716



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	347.4	3.7
10°-20°	997.9	10.7
20°-30°	1512.9	16.2
30°-40°	1809.5	19.4
40°-50°	1786.6	19.1
50°-60°	1390.6	14.9
60°-70°	882.8	9.5
70°-80°	473.8	5.1
80°-90°	128.5	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°	2858.3	30.6
0°-40°	4667.8	50.0
0°-60°	7845.0	84.1
0°-90°	9330.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9330.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3664	3664	3664	3664	3664	
5°	3667	3655	3651	3649	3657	349
15°	3549	3537	3534	3530	3540	1002
25°	3292	3286	3282	3276	3284	1519
35°	2912	2906	2894	2885	2898	1821
45°	2358	2342	2321	2309	2308	1810
55°	1572	1564	1550	1539	1539	1408
65°	885	888	886	874	881	888
75°	454	447	441	440	442	480
85°	105	107	108	108	104	130
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3663.5	3663.5	3663.5	3663.5	3663.5
2.5°	3675.8	3663.5	3659.4	3657.4	3666.6
5°	3666.6	3655.3	3651.2	3649.2	3657.4
7.5°	3651.2	3637.9	3633.8	3631.8	3641.0
10°	3623.6	3611.3	3606.2	3606.2	3614.4
12.5°	3590.9	3580.7	3575.5	3571.5	3580.7
15°	3549.0	3536.7	3533.6	3529.5	3539.7
17.5°	3498.8	3486.6	3482.5	3480.4	3487.6
20°	3441.6	3426.2	3424.2	3423.2	3427.2
22.5°	3371.0	3362.8	3358.7	3356.7	3359.7
25°	3292.2	3286.1	3282.0	3275.9	3284.1
27.5°	3215.5	3207.4	3197.1	3192.0	3197.1
30°	3121.4	3111.2	3104.1	3102.0	3104.1
32.5°	3024.3	3014.1	3004.8	3003.8	3002.8
35°	2911.8	2905.6	2894.4	2885.2	2897.5
37.5°	2800.3	2786.0	2775.8	2764.5	2761.4
40°	2661.2	2656.1	2638.7	2628.5	2627.5
42.5°	2526.2	2502.7	2490.4	2483.2	2472.0
45°	2358.5	2342.1	2320.6	2309.4	2308.4
47.5°	2183.6	2163.1	2142.7	2127.3	2131.4
50°	1979.0	1969.8	1950.4	1937.1	1932.0
52.5°	1768.3	1766.3	1745.8	1737.7	1728.5
55°	1572.0	1563.8	1549.5	1539.2	1539.2
57.5°	1378.7	1371.5	1364.4	1344.9	1344.9
60°	1194.6	1193.6	1181.3	1170.0	1169.0
62.5°	1029.9	1036.0	1024.8	1013.5	1007.4
65°	884.7	887.7	885.7	874.5	880.6
67.5°	756.8	757.9	753.8	747.6	751.7
70°	644.3	649.4	642.3	638.2	633.1
72.5°	546.2	544.1	538.0	541.0	533.9
75°	454.1	446.9	440.8	439.8	441.8
77.5°	362.1	360.0	354.9	354.9	351.8
80°	272.1	270.0	266.9	268.0	266.9
82.5°	193.3	188.2	184.1	186.1	187.2
85°	105.3	107.4	108.4	108.4	104.3
87.5°	43.0	41.9	43.0	45.0	46.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)