

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: P738657

Luminaire Tested: **24PT-80-PC3-L840**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738657
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-80-PC3-L840
Description: 8000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

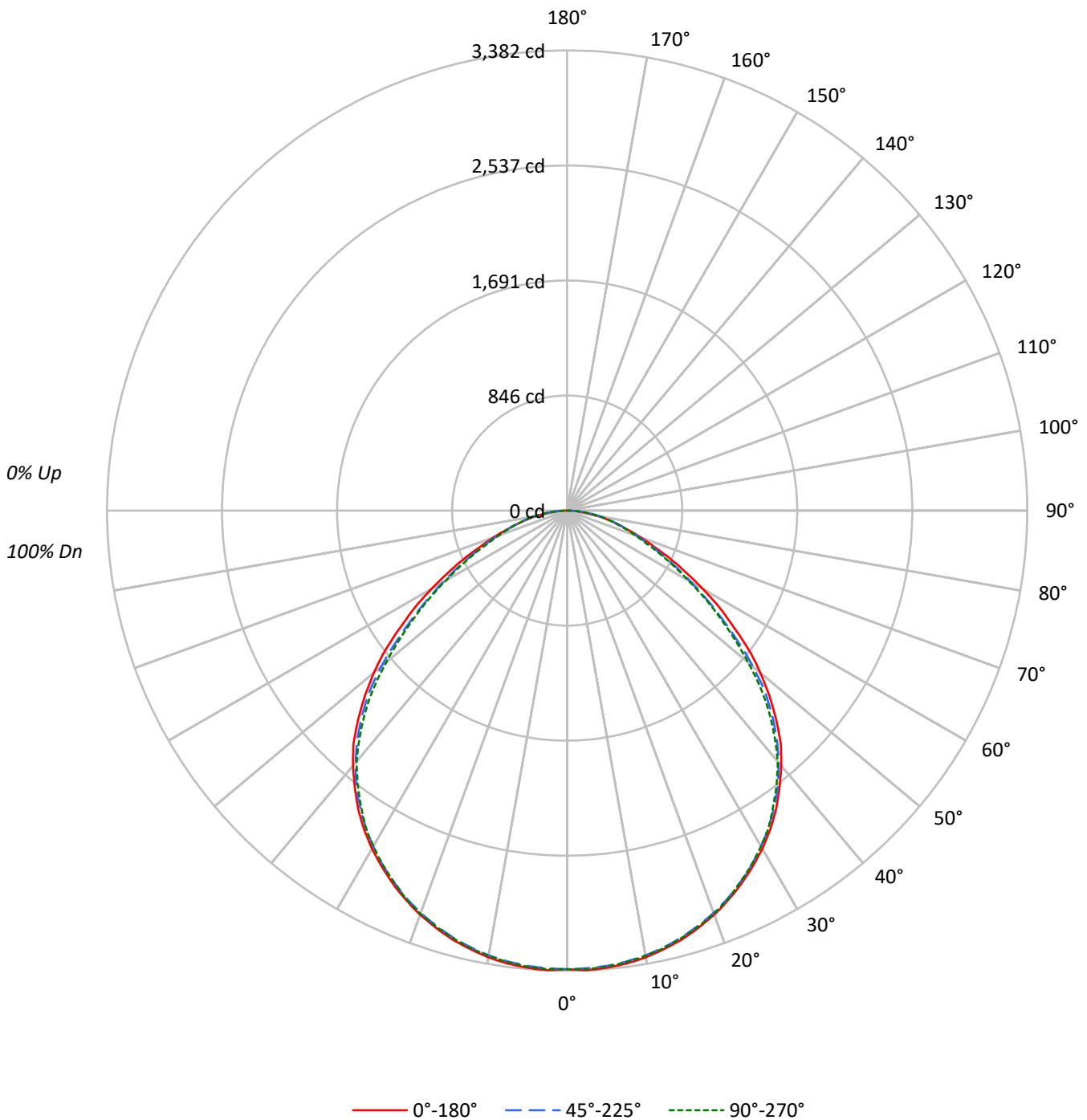
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8502.0 lumens
Efficiency: N/A
Efficacy: 124.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 68.3
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	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	88	86					86			
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73					73			
3	92	82	74	68	90	81	73	68	78	72	67	75	70	65	72	68	64	62					62			
4	85	73	65	59	82	72	64	58	69	63	57	67	61	57	65	60	56	54					54			
5	78	66	57	51	76	65	57	51	63	55	50	61	54	50	59	53	49	47					47			
6	72	59	51	45	70	59	50	44	57	50	44	55	49	44	54	48	43	41					41			
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37					37			
8	63	49	41	36	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	43	36	32	42	36	31	30					30			
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27					27			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4833	4833	4833
5°	4854	4834	4843
10°	4854	4832	4839
15°	4843	4821	4827
20°	4824	4801	4811
25°	4791	4767	4766
30°	4750	4719	4717
35°	4686	4649	4627
40°	4581	4527	4506
45°	4404	4322	4261
50°	4135	3976	3871
55°	3738	3485	3419
60°	3306	3016	2957
65°	2826	2613	2546
70°	2395	2293	2226
75°	2100	2136	2063
80°	1883	2076	1959
85°	1589	1899	1806



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	319.6	3.8
10°-20°	917.3	10.8
20°-30°	1389.6	16.3
30°-40°	1659.7	19.5
40°-50°	1637.3	19.3
50°-60°	1267.5	14.9
60°-70°	779.1	9.2
70°-80°	408.2	4.8
80°-90°	123.8	1.5
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°	2626.5	30.9
0°-40°	4286.2	50.4
0°-60°	7191.0	84.6
0°-90°	8502.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8502.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3370	3370	3370	3370	3370	
5°	3372	3362	3358	3356	3365	321
15°	3263	3252	3248	3245	3251	921
25°	3028	3019	3013	3011	3012	1395
35°	2677	2665	2656	2647	2644	1671
45°	2172	2156	2131	2109	2101	1671
55°	1495	1455	1394	1373	1368	1342
65°	833	795	770	748	750	831
75°	379	383	386	378	372	408
85°	97	108	115	113	110	112
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3370.5	3370.5	3370.5	3370.5	3370.5
2.5°	3381.8	3371.5	3366.8	3365.9	3373.4
5°	3372.4	3362.1	3358.3	3356.5	3364.9
7.5°	3357.4	3346.2	3342.4	3339.6	3347.1
10°	3334.0	3322.7	3318.9	3317.1	3323.6
12.5°	3300.2	3289.9	3287.1	3284.2	3292.7
15°	3262.7	3252.3	3247.7	3244.8	3251.4
17.5°	3213.9	3205.4	3199.8	3199.8	3205.4
20°	3161.4	3151.0	3146.3	3143.5	3152.9
22.5°	3096.6	3090.1	3084.4	3079.7	3090.1
25°	3028.1	3018.8	3013.1	3011.3	3012.2
27.5°	2950.3	2943.7	2936.2	2933.4	2935.3
30°	2868.7	2860.2	2849.9	2844.3	2849.0
32.5°	2777.7	2765.5	2757.0	2751.4	2758.0
35°	2677.3	2665.1	2655.7	2647.3	2643.5
37.5°	2562.9	2559.1	2546.0	2531.0	2530.0
40°	2447.5	2437.1	2418.4	2411.8	2407.1
42.5°	2323.6	2302.1	2282.4	2263.6	2257.0
45°	2171.7	2155.7	2131.3	2108.8	2101.3
47.5°	2015.9	1995.3	1971.9	1932.5	1927.8
50°	1853.7	1823.6	1782.4	1749.5	1735.5
52.5°	1684.8	1644.5	1587.2	1559.1	1551.6
55°	1495.3	1455.0	1394.0	1373.4	1367.7
57.5°	1326.5	1267.4	1217.6	1194.2	1201.7
60°	1152.9	1095.7	1051.6	1029.1	1031.0
62.5°	983.1	938.1	905.3	883.7	886.5
65°	833.0	794.6	770.2	747.7	750.5
67.5°	685.7	667.9	650.1	637.0	629.5
70°	571.3	563.8	546.9	534.7	531.0
72.5°	467.2	471.9	457.8	454.0	453.1
75°	379.0	382.7	385.6	378.0	372.4
77.5°	303.0	308.6	319.9	309.6	307.7
80°	228.0	239.2	251.4	244.8	237.3
82.5°	159.5	173.5	184.8	176.4	172.6
85°	96.6	107.9	115.4	112.6	109.8
87.5°	43.2	46.9	50.7	51.6	49.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)