

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: P738417

Luminaire Tested: **24PT-20-PR1-L840**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738417
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-20-PR1-L840
Description: 2000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND RIPLE LENS

Light Source: -
Ballast/Driver: -

Summary

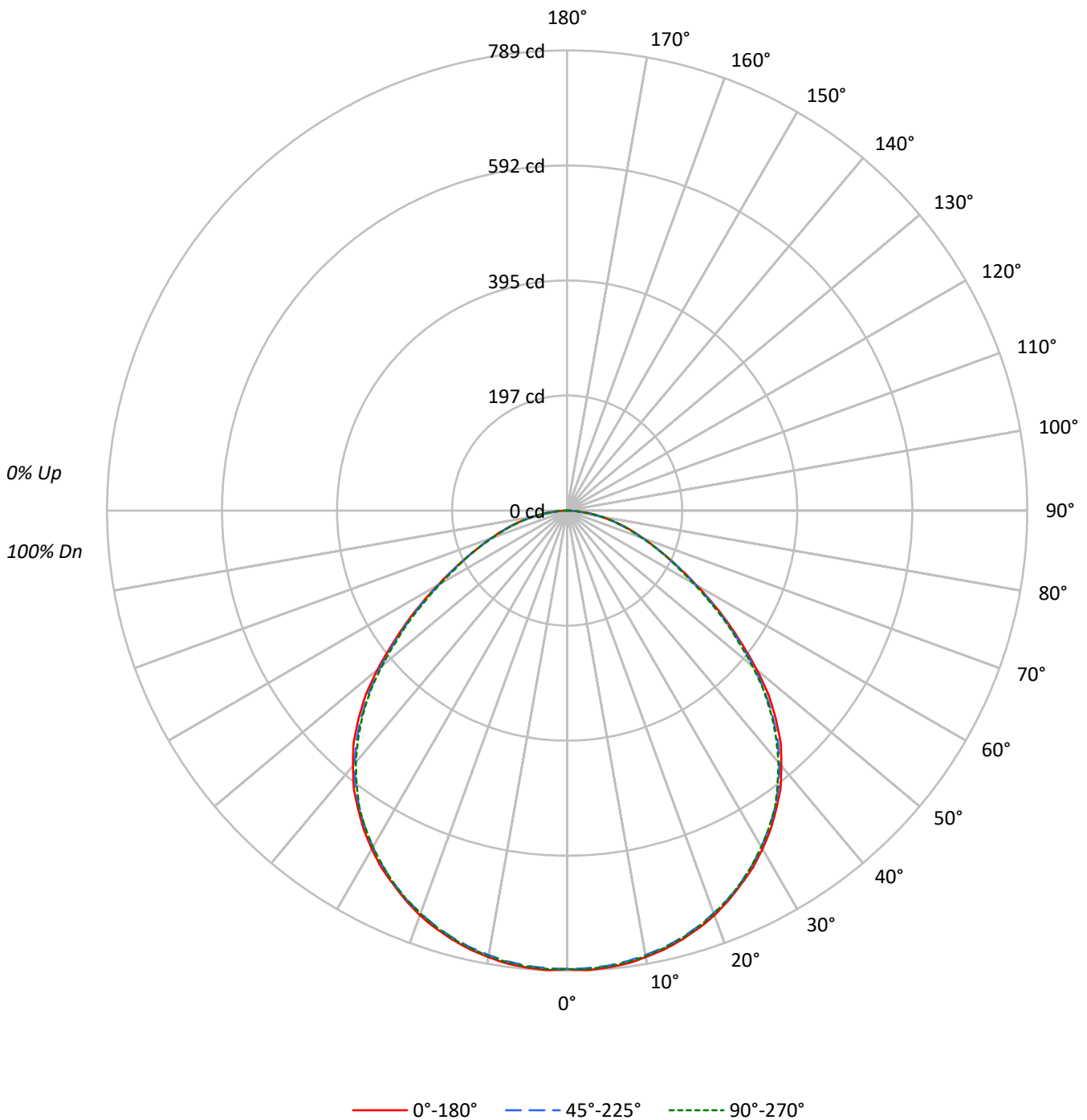
Lumens per Lamp: N/A
Luminaire Lumens: 2002.0 lumens
Efficiency: N/A
Efficacy: 132.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 15.1
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	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°	1127	1127	1127
5°	1132	1128	1130
10°	1132	1127	1129
15°	1130	1126	1127
20°	1127	1121	1122
25°	1118	1114	1115
30°	1109	1103	1103
35°	1094	1087	1088
40°	1069	1060	1055
45°	1026	1010	1004
50°	947	934	925
55°	843	831	826
60°	735	727	719
65°	644	645	641
70°	580	578	569
75°	540	524	525
80°	482	473	473
85°	372	383	369



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.6	3.7
10°-20°	214.1	10.7
20°-30°	324.6	16.2
30°-40°	388.3	19.4
40°-50°	383.4	19.1
50°-60°	298.4	14.9
60°-70°	189.4	9.5
70°-80°	101.7	5.1
80°-90°	27.6	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°	613.3	30.6
0°-40°	1001.6	50.0
0°-60°	1683.4	84.1
0°-90°	2002.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2002.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	786	786	786	786	786	
5°	787	784	784	783	785	75
15°	762	759	758	757	760	215
25°	706	705	704	703	705	326
35°	625	624	621	619	622	391
45°	506	503	498	496	495	388
55°	337	336	332	330	330	302
65°	190	190	190	188	189	190
75°	97	96	95	94	95	103
85°	23	23	23	23	22	28
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	786.1	786.1	786.1	786.1	786.1
2.5°	788.7	786.1	785.2	784.8	786.8
5°	786.8	784.3	783.5	783.0	784.8
7.5°	783.5	780.6	779.7	779.3	781.3
10°	777.5	774.9	773.8	773.8	775.6
12.5°	770.5	768.3	767.2	766.4	768.3
15°	761.5	758.9	758.2	757.4	759.5
17.5°	750.8	748.1	747.3	746.8	748.4
20°	738.5	735.2	734.7	734.5	735.4
22.5°	723.3	721.6	720.7	720.3	720.9
25°	706.4	705.1	704.2	702.9	704.7
27.5°	690.0	688.2	686.0	684.9	686.0
30°	669.8	667.6	666.1	665.6	666.1
32.5°	648.9	646.7	644.8	644.6	644.3
35°	624.8	623.5	621.1	619.1	621.7
37.5°	600.9	597.8	595.6	593.2	592.5
40°	571.0	569.9	566.2	564.0	563.8
42.5°	542.1	537.0	534.4	532.8	530.4
45°	506.1	502.6	498.0	495.5	495.3
47.5°	468.5	464.2	459.8	456.5	457.4
50°	424.7	422.7	418.5	415.7	414.6
52.5°	379.4	379.0	374.6	372.9	370.9
55°	337.3	335.6	332.5	330.3	330.3
57.5°	295.8	294.3	292.8	288.6	288.6
60°	256.3	256.1	253.5	251.1	250.8
62.5°	221.0	222.3	219.9	217.5	216.2
65°	189.8	190.5	190.1	187.6	189.0
67.5°	162.4	162.6	161.7	160.4	161.3
70°	138.3	139.4	137.8	136.9	135.8
72.5°	117.2	116.8	115.4	116.1	114.6
75°	97.4	95.9	94.6	94.4	94.8
77.5°	77.7	77.2	76.2	76.2	75.5
80°	58.4	57.9	57.3	57.5	57.3
82.5°	41.5	40.4	39.5	39.9	40.2
85°	22.6	23.0	23.3	23.3	22.4
87.5°	9.2	9.0	9.2	9.7	9.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)