

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: P738057

Luminaire Tested: **22PT-20-PP3-L840**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738057
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P412714)
Test Lab: INNOVATION CENTER
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-20-PP3-L840
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND PRISM LENS

Light Source: -
Ballast/Driver: -

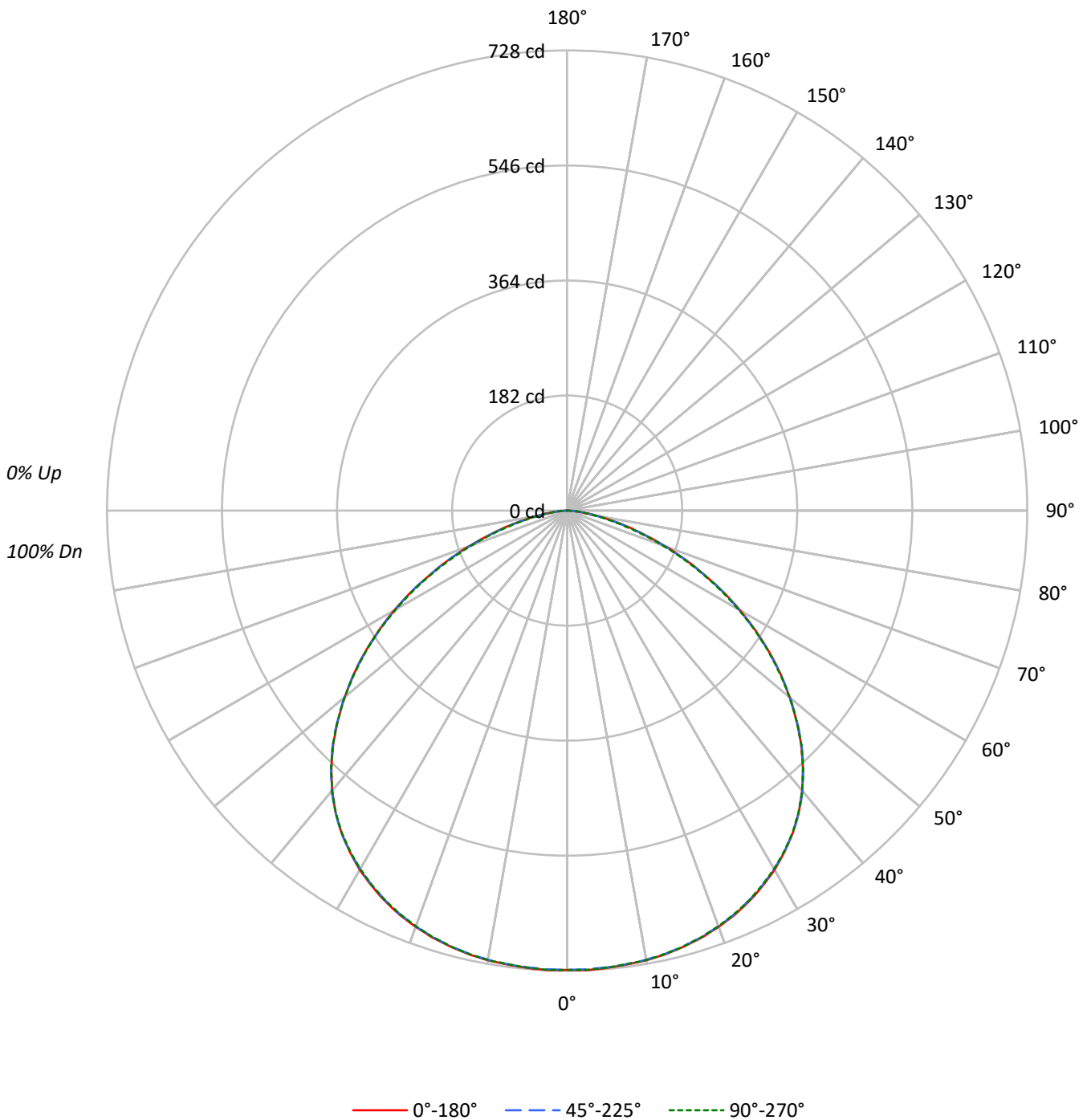
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2085.0 lumens
Efficiency: N/A
Efficacy: 140.9 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.33 / 1.43
Luminous Opening: Rectangular (W 1.92' x L: 1.92' x H: 0')
CIE Type: Direct

Input Watts (W): 14.8
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	96	98	95	93		95	92	90		91	89	87	85
2	100	92	85	80	97	90	84	79	87	81	77		83	79	75		80	77	74	72
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	70	62	56	68	61	55		66	60	55		64	58	54	52
5	77	64	55	49	75	63	55	49	61	54	48		59	53	47		57	51	47	45
6	71	58	49	43	69	57	48	42	55	48	42		53	47	42		52	46	41	39
7	66	52	44	38	64	51	43	37	50	43	37		49	42	37		47	41	37	35
8	61	48	39	33	60	47	39	33	46	38	33		44	38	33		43	37	33	31
9	57	44	36	30	56	43	35	30	42	35	30		41	34	30		40	34	29	28
10	53	40	32	27	52	40	32	27	39	32	27		38	31	27		37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2129	2129	2129
5°	2136	2133	2134
10°	2149	2146	2148
15°	2166	2164	2164
20°	2185	2183	2182
25°	2204	2200	2200
30°	2220	2216	2215
35°	2226	2226	2223
40°	2212	2216	2212
45°	2168	2174	2170
50°	2095	2098	2093
55°	1994	1989	1986
60°	1852	1847	1833
65°	1654	1652	1633
70°	1414	1405	1374
75°	1126	1094	1060
80°	803	786	746
85°	521	521	504



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.1	3.3
10°-20°	201.6	9.7
20°-30°	313.9	15.1
30°-40°	388.5	18.6
40°-50°	402.9	19.3
50°-60°	347.2	16.7
60°-70°	236.1	11.3
70°-80°	105.6	5.1
80°-90°	20.1	1.0
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°	584.6	28.0
0°-40°	973.1	46.7
0°-60°	1723.2	82.6
0°-90°	2085.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2085.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	727	727	727	727	727	
5°	726	725	725	725	726	69
15°	714	713	713	713	713	202
25°	682	681	681	680	681	314
35°	622	622	622	621	622	389
45°	523	523	525	523	524	403
55°	390	389	389	389	389	348
65°	238	240	238	238	236	237
75°	100	100	97	96	94	107
85°	16	16	16	15	15	20
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	726.7	726.7	726.7	726.7	726.7
2.5°	727.7	726.2	726.2	726.5	727.2
5°	726.2	724.8	725.3	725.0	725.7
7.5°	724.3	723.1	723.8	723.3	723.8
10°	722.3	721.1	721.4	721.1	721.9
12.5°	718.9	717.5	718.0	718.0	718.3
15°	714.1	712.9	713.4	712.9	713.4
17.5°	708.3	706.8	707.1	706.8	707.3
20°	700.8	699.8	700.0	699.5	699.8
22.5°	692.3	691.0	691.3	690.8	690.8
25°	681.8	680.8	680.6	680.4	680.6
27.5°	669.7	668.5	668.5	668.2	668.2
30°	656.1	654.9	654.9	654.6	654.6
32.5°	640.1	639.6	639.9	639.4	639.1
35°	622.4	621.6	622.4	621.4	621.6
37.5°	601.8	600.8	602.2	601.3	601.5
40°	578.2	577.7	579.4	578.7	578.2
42.5°	552.0	552.0	552.8	553.0	552.5
45°	523.2	522.7	524.6	523.4	523.8
47.5°	492.1	491.4	492.8	492.5	492.3
50°	459.6	459.1	460.3	459.1	459.1
52.5°	425.8	425.6	425.8	424.6	424.4
55°	390.4	389.0	389.4	388.7	388.7
57.5°	353.5	351.8	352.1	351.8	352.1
60°	316.0	315.4	315.2	314.0	312.8
62.5°	277.4	277.8	277.6	275.9	274.6
65°	238.5	240.5	238.3	237.6	235.6
67.5°	201.9	202.6	201.2	199.5	197.3
70°	165.0	166.4	164.0	162.3	160.4
72.5°	129.8	130.8	128.6	127.7	125.2
75°	99.5	99.8	96.6	96.1	93.6
77.5°	70.8	71.8	69.4	69.4	67.0
80°	47.6	49.3	46.6	45.9	44.2
82.5°	29.9	30.1	29.3	28.6	27.9
85°	15.5	16.0	15.5	15.0	15.0
87.5°	5.9	6.1	5.9	5.6	5.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)