

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: P737713

Luminaire Tested: **14PT-20-PC3-L840**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737713
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-20-PC3-L840
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

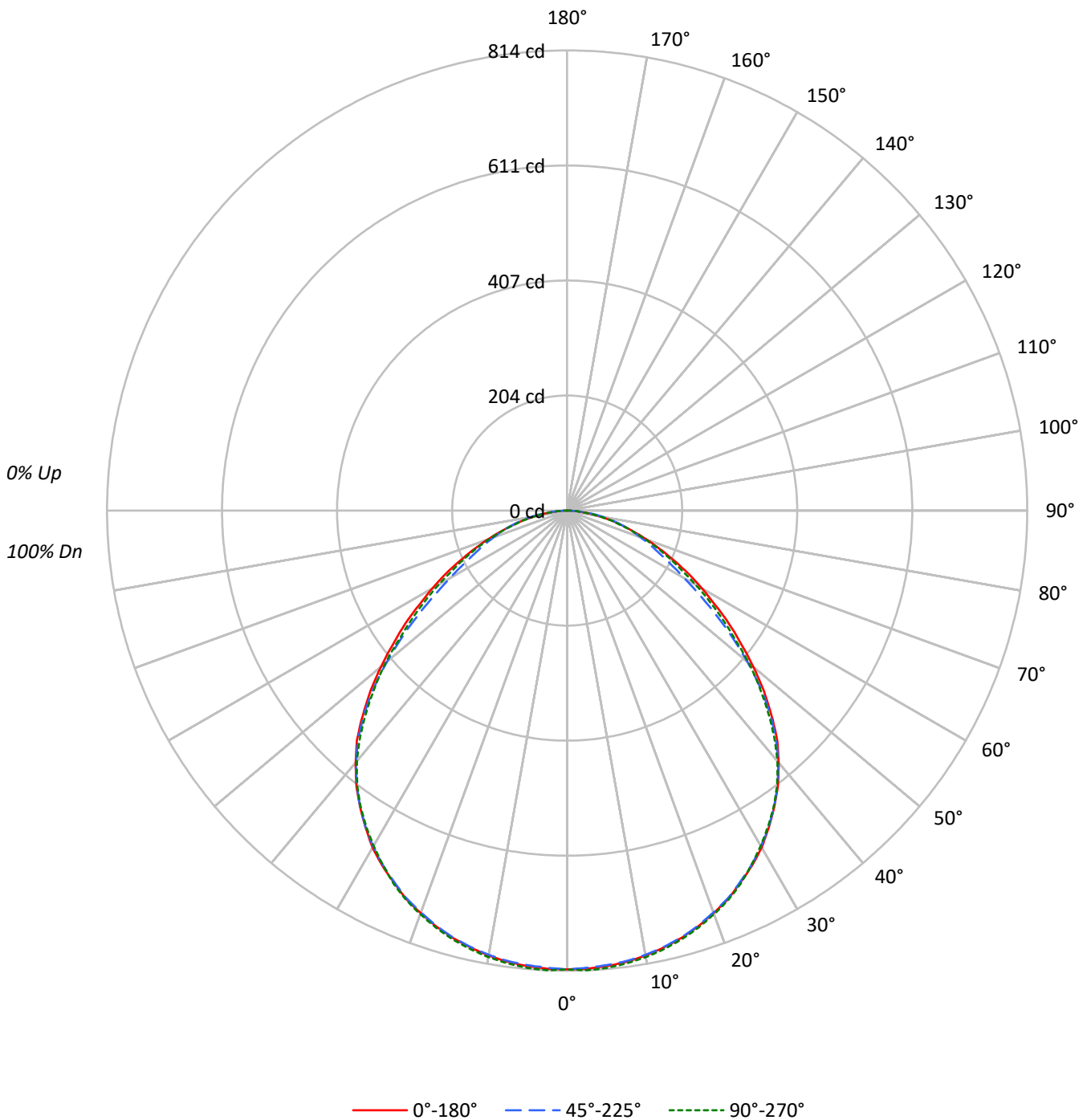
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2046.0 lumens
Efficiency: N/A
Efficacy: 126.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 0.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 16.2
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	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				
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75					72				
3	92	82	74	68	90	80	73	68	77	71	66	75	70	65	72	68	64					62				
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56					54				
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49					47				
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43					41				
7	67	54	46	40	65	53	45	39	52	44	39	50	44	39	49	43	39					37				
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35					33				
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31					30				
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29					27				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2433	2433	2433
5°	2434	2429	2443
10°	2434	2429	2442
15°	2428	2425	2436
20°	2417	2413	2423
25°	2401	2397	2406
30°	2382	2375	2370
35°	2339	2337	2333
40°	2278	2274	2264
45°	2166	2150	2128
50°	2005	1937	1959
55°	1830	1681	1757
60°	1650	1434	1573
65°	1474	1283	1415
70°	1308	1214	1272
75°	1157	1177	1133
80°	998	1122	993
85°	750	887	750



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.0	3.8
10°-20°	220.9	10.8
20°-30°	334.5	16.3
30°-40°	398.8	19.5
40°-50°	389.7	19.0
50°-60°	298.0	14.6
60°-70°	191.3	9.3
70°-80°	106.4	5.2
80°-90°	29.4	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°	632.4	30.9
0°-40°	1031.2	50.4
0°-60°	1718.9	84.0
0°-90°	2046.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2046.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	812	812	812	812	812	
5°	809	809	807	811	812	77
15°	782	783	781	784	785	221
25°	726	726	724	727	727	335
35°	639	640	639	638	637	399
45°	511	512	507	506	502	393
55°	350	338	322	326	336	313
65°	208	192	181	187	199	207
75°	100	101	102	100	98	107
85°	22	26	26	25	22	27
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	811.6	811.6	811.6	811.6	811.6
2.5°	811.0	811.3	809.3	812.8	813.9
5°	808.7	809.3	807.2	811.0	811.9
7.5°	805.2	805.8	803.8	807.5	807.8
10°	799.4	799.7	797.9	801.7	802.3
12.5°	791.6	792.4	790.4	793.9	794.2
15°	782.3	782.9	781.4	784.0	784.9
17.5°	771.2	771.5	770.1	773.0	773.3
20°	757.6	757.6	756.4	759.6	759.6
22.5°	743.7	742.8	742.5	743.7	745.4
25°	725.7	726.5	724.5	726.8	727.4
27.5°	708.3	708.3	706.5	707.7	706.2
30°	688.2	687.1	685.9	686.2	684.7
32.5°	664.1	664.1	663.6	663.6	661.8
35°	639.2	639.8	638.6	638.3	637.4
37.5°	612.5	613.3	611.3	610.7	610.1
40°	582.0	582.0	581.1	580.0	578.5
42.5°	550.3	550.3	546.6	543.7	541.6
45°	510.9	512.0	507.1	505.9	501.9
47.5°	471.7	470.8	464.1	463.3	460.9
50°	429.9	425.0	415.4	418.0	420.0
52.5°	388.1	382.0	368.1	371.0	374.4
55°	350.1	337.9	321.6	325.7	336.1
57.5°	310.3	294.0	277.8	285.3	298.4
60°	275.2	256.9	239.2	247.3	262.4
62.5°	241.5	222.1	207.8	215.7	228.4
65°	207.8	191.9	180.8	186.9	199.4
67.5°	177.1	166.3	158.8	161.7	171.8
70°	149.2	142.5	138.5	139.3	145.1
72.5°	122.8	121.0	119.6	119.6	120.2
75°	99.9	100.7	101.6	100.1	97.8
77.5°	78.7	81.6	83.6	80.7	77.8
80°	57.8	62.4	65.0	61.8	57.5
82.5°	39.5	44.7	45.6	43.5	38.6
85°	21.8	25.5	25.8	25.0	21.8
87.5°	8.1	9.6	10.4	9.6	8.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)