

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: P737737

Luminaire Tested: **14PT-20-PR1-L840**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737737
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-11)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-20-PR1-L840
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND RIPLE LENS

Light Source: -
Ballast/Driver: -

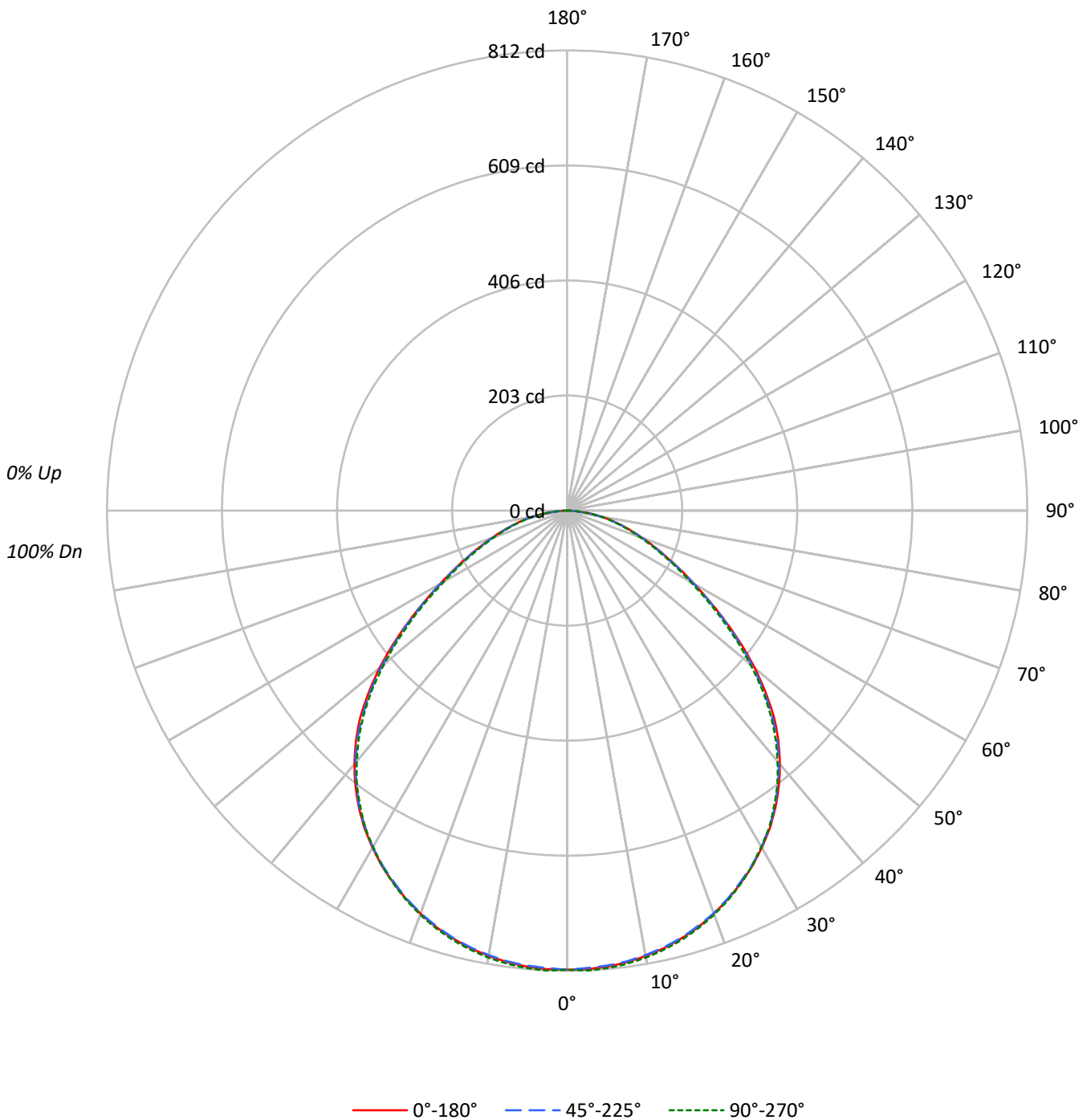
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2049.0 lumens
Efficiency: N/A
Efficacy: 126.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 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	88					85				
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75					73				
3	92	82	74	68	90	80	73	68	78	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	45	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	39	33	29	39	33	29					27				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2429	2429	2429
5°	2431	2426	2439
10°	2429	2425	2438
15°	2425	2421	2433
20°	2415	2412	2421
25°	2399	2393	2402
30°	2378	2375	2371
35°	2345	2339	2330
40°	2286	2277	2261
45°	2190	2166	2150
50°	2015	1993	1968
55°	1783	1776	1741
60°	1550	1545	1503
65°	1366	1358	1331
70°	1239	1222	1197
75°	1147	1120	1100
80°	1048	1032	998
85°	829	819	788



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.8	3.8
10°-20°	220.6	10.8
20°-30°	334.2	16.3
30°-40°	398.9	19.5
40°-50°	392.3	19.1
50°-60°	303.2	14.8
60°-70°	191.2	9.3
70°-80°	103.4	5.0
80°-90°	28.3	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°	631.6	30.8
0°-40°	1030.6	50.3
0°-60°	1726.1	84.2
0°-90°	2049.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2049.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	810	810	810	810	810	
5°	808	808	806	810	810	77
15°	781	782	780	783	784	220
25°	725	726	723	726	726	334
35°	641	641	639	638	636	400
45°	517	515	511	507	507	396
55°	341	344	340	334	333	306
65°	192	193	191	188	188	194
75°	99	98	97	97	95	105
85°	24	24	24	24	23	29
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	810.2	810.2	810.2	810.2	810.2
2.5°	809.9	810.2	807.9	811.7	812.5
5°	807.9	808.2	806.1	809.6	810.5
7.5°	803.8	804.4	802.4	805.8	806.7
10°	798.0	798.6	796.6	800.0	800.9
12.5°	790.7	791.0	789.3	792.5	793.4
15°	781.2	781.5	780.0	782.6	783.8
17.5°	770.1	770.4	768.4	771.6	772.2
20°	756.8	757.1	755.9	758.5	758.8
22.5°	742.0	742.5	740.8	743.1	743.4
25°	725.1	725.7	723.4	725.7	726.0
27.5°	707.4	707.7	705.7	707.4	707.1
30°	686.8	688.5	685.9	685.3	685.0
32.5°	665.3	665.6	663.0	662.4	663.6
35°	640.6	640.9	639.2	638.3	636.5
37.5°	613.6	613.6	610.4	609.8	609.5
40°	584.0	583.7	581.7	579.6	577.6
42.5°	551.8	552.3	548.3	544.8	544.2
45°	516.6	514.6	510.8	506.7	507.0
47.5°	475.1	475.7	470.4	467.2	466.4
50°	432.1	432.1	427.2	423.7	421.9
52.5°	387.1	387.4	382.7	378.1	377.2
55°	341.2	344.1	339.8	334.2	333.1
57.5°	298.2	300.6	296.5	290.7	290.4
60°	258.5	258.7	257.6	252.1	250.6
62.5°	224.5	223.0	222.4	219.5	217.8
65°	192.5	192.8	191.4	188.2	187.6
67.5°	166.7	166.4	163.8	161.8	160.6
70°	141.4	140.6	139.4	137.6	136.5
72.5°	118.8	118.8	117.9	117.3	115.3
75°	99.0	97.9	96.7	97.3	95.0
77.5°	80.1	79.0	78.1	77.0	76.4
80°	60.7	59.5	59.8	58.1	57.8
82.5°	42.1	42.1	41.5	40.1	40.4
85°	24.1	24.4	23.8	24.1	22.9
87.5°	8.7	9.0	9.6	9.0	9.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)