

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: P737721

Luminaire Tested: **14PT-20-PL1-L840**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737721
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-20-PL1-L840
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

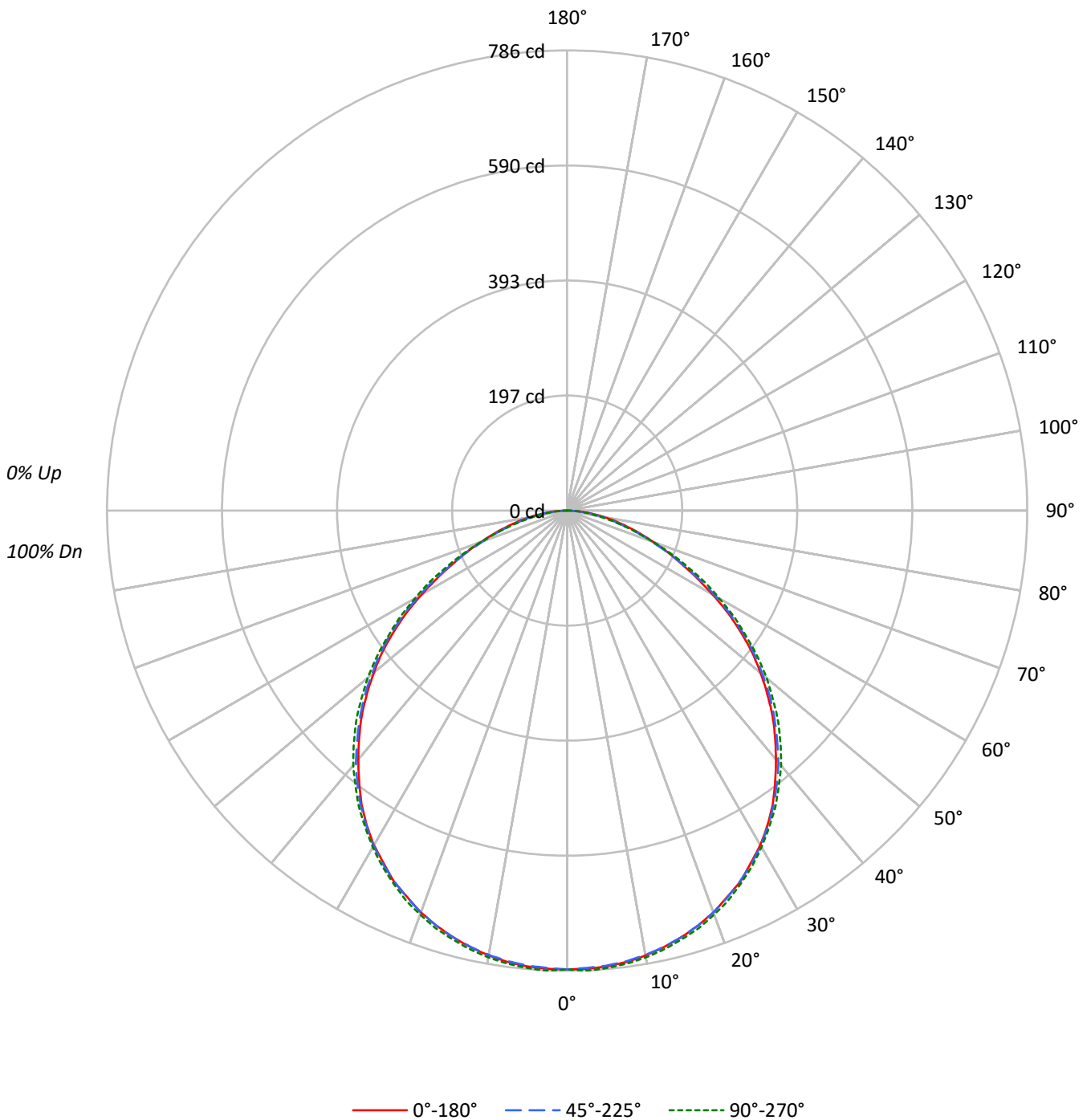
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2066.0 lumens
Efficiency: N/A
Efficacy: 127.5 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
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	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		94	92	90		91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77		83	79	75		80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65		74	69	64		71	67	63	61
4	84	72	64	57	82	71	63	57	68	61	56		66	60	55		64	59	55	52
5	77	65	56	49	75	64	55	49	61	54	49		60	53	48		58	52	48	46
6	71	58	50	43	69	57	49	43	56	48	43		54	47	42		52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38		49	43	38		48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34		45	39	34		44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31		42	35	30		41	35	30	29
10	54	41	33	28	53	41	33	28	40	33	28		39	32	28		38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2350	2350	2350
5°	2352	2347	2360
10°	2349	2346	2359
15°	2342	2341	2352
20°	2330	2330	2343
25°	2314	2311	2324
30°	2285	2288	2299
35°	2241	2250	2268
40°	2172	2197	2225
45°	2104	2121	2162
50°	2011	2033	2074
55°	1894	1925	1948
60°	1718	1755	1799
65°	1527	1543	1605
70°	1364	1337	1369
75°	1231	1161	1136
80°	1119	1038	922
85°	949	860	740



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.3	3.6
10°-20°	213.2	10.3
20°-30°	322.5	15.6
30°-40°	384.5	18.6
40°-50°	386.6	18.7
50°-60°	328.1	15.9
60°-70°	218.5	10.6
70°-80°	109.1	5.3
80°-90°	29.2	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°	610.1	29.5
0°-40°	994.6	48.1
0°-60°	1709.3	82.7
0°-90°	2066.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2066.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	784	784	784	784	784	
5°	781	782	780	784	784	74
15°	754	755	754	757	758	213
25°	700	700	699	702	702	322
35°	612	613	615	619	620	382
45°	496	497	500	507	510	382
55°	362	365	368	372	373	323
65°	215	217	218	221	226	216
75°	106	105	100	98	98	114
85°	28	27	25	24	22	32
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	783.7	783.7	783.7	783.7	783.7
2.5°	783.2	783.7	781.7	785.5	786.4
5°	781.4	781.7	780.0	783.5	784.3
7.5°	777.6	777.9	776.2	780.0	780.5
10°	771.5	772.1	770.7	774.2	775.0
12.5°	763.7	764.6	763.1	766.9	767.5
15°	754.4	755.3	754.1	757.3	757.9
17.5°	743.1	743.7	743.1	746.0	747.7
20°	730.3	730.3	730.3	732.9	734.4
22.5°	714.3	715.8	715.2	718.7	720.2
25°	699.5	699.5	698.7	701.9	702.4
27.5°	678.9	681.2	680.9	683.9	684.4
30°	660.0	660.6	660.9	662.9	664.1
32.5°	637.1	637.7	638.6	641.5	641.7
35°	612.4	613.0	614.7	619.1	619.7
37.5°	583.7	586.9	588.3	593.0	593.5
40°	554.9	557.0	561.3	566.2	568.6
42.5°	525.6	527.9	530.5	537.2	539.2
45°	496.3	497.1	500.3	507.0	509.9
47.5°	463.7	466.4	469.3	475.1	476.8
50°	431.2	434.1	435.9	441.1	444.6
52.5°	398.4	401.0	403.1	406.2	409.7
55°	362.4	365.0	368.2	371.7	372.6
57.5°	325.8	328.7	330.7	334.5	338.3
60°	286.6	289.8	292.7	296.2	300.0
62.5°	250.0	251.5	254.4	260.2	265.7
65°	215.2	216.9	217.5	220.7	226.2
67.5°	186.1	186.1	183.5	184.7	190.8
70°	155.6	154.5	152.5	151.3	156.2
72.5°	131.0	129.5	125.2	123.1	125.7
75°	106.3	104.8	100.2	97.9	98.1
77.5°	85.4	83.0	79.3	75.2	74.3
80°	64.8	63.9	60.1	56.3	53.4
82.5°	45.9	43.8	41.8	39.5	37.2
85°	27.6	27.0	25.0	23.5	21.5
87.5°	11.3	11.3	10.7	10.2	9.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)