

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: P737807

Luminaire Tested: **14PT-40-PC3-L830**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737807
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-40-PC3-L830
Description: 4000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

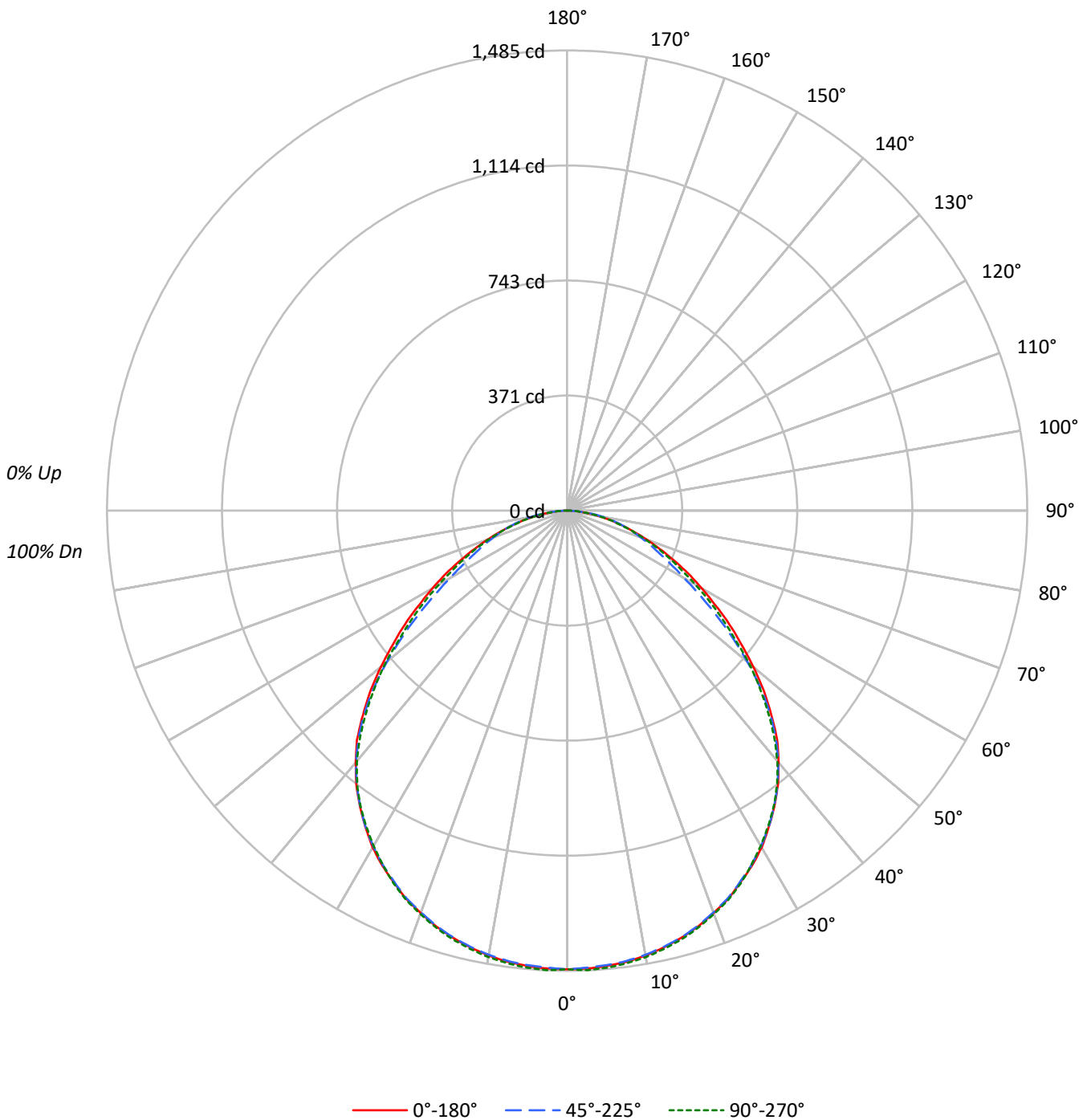
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3732.0 lumens
Efficiency: N/A
Efficacy: 116.3 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): 32.1
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	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°	4438	4438	4438
5°	4439	4431	4457
10°	4439	4431	4455
15°	4429	4424	4444
20°	4409	4402	4421
25°	4379	4372	4389
30°	4346	4331	4324
35°	4267	4263	4255
40°	4155	4149	4130
45°	3951	3922	3881
50°	3657	3534	3573
55°	3337	3066	3205
60°	3009	2616	2870
65°	2689	2340	2580
70°	2385	2214	2320
75°	2109	2146	2067
80°	1820	2048	1809
85°	1366	1620	1366



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.4	3.8
10°-20°	403.0	10.8
20°-30°	610.2	16.3
30°-40°	727.5	19.5
40°-50°	710.8	19.0
50°-60°	543.5	14.6
60°-70°	348.9	9.3
70°-80°	194.1	5.2
80°-90°	53.6	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°	1153.6	30.9
0°-40°	1881.0	50.4
0°-60°	3135.3	84.0
0°-90°	3732.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3732.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1480	1480	1480	1480	1480	
5°	1475	1476	1472	1479	1481	140
15°	1427	1428	1425	1430	1432	403
25°	1324	1325	1322	1326	1327	610
35°	1166	1167	1165	1164	1163	728
45°	932	934	925	923	915	717
55°	638	616	587	594	613	571
65°	379	350	330	341	364	378
75°	182	184	185	183	178	195
85°	40	47	47	46	40	49
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1480.4	1480.4	1480.4	1480.4	1480.4
2.5°	1479.3	1479.8	1476.1	1482.5	1484.6
5°	1475.1	1476.1	1472.4	1479.3	1480.9
7.5°	1468.7	1469.8	1466.1	1473.0	1473.5
10°	1458.1	1458.7	1455.5	1462.4	1463.4
12.5°	1443.8	1445.4	1441.7	1448.1	1448.6
15°	1426.9	1428.0	1425.3	1430.1	1431.7
17.5°	1406.8	1407.3	1404.7	1410.0	1410.5
20°	1381.9	1381.9	1379.8	1385.6	1385.6
22.5°	1356.5	1354.9	1354.4	1356.5	1359.7
25°	1323.7	1325.2	1321.5	1325.8	1326.8
27.5°	1291.9	1291.9	1288.7	1290.8	1288.2
30°	1255.4	1253.2	1251.1	1251.7	1249.0
32.5°	1211.4	1211.4	1210.4	1210.4	1207.2
35°	1165.9	1166.9	1164.8	1164.3	1162.7
37.5°	1117.2	1118.8	1115.0	1114.0	1112.9
40°	1061.6	1061.6	1060.0	1057.9	1055.2
42.5°	1003.9	1003.9	997.0	991.7	988.0
45°	931.9	934.0	925.0	922.9	915.4
47.5°	860.4	858.8	846.6	845.0	840.8
50°	784.1	775.1	757.7	762.4	766.1
52.5°	707.9	696.8	671.4	676.7	683.0
55°	638.5	616.3	586.6	594.1	613.1
57.5°	566.0	536.3	506.7	520.5	544.3
60°	501.9	468.6	436.3	451.1	478.6
62.5°	440.5	405.0	379.1	393.4	416.7
65°	379.1	350.0	329.9	341.0	363.7
67.5°	323.0	303.4	289.6	294.9	313.4
70°	272.1	260.0	252.6	254.1	264.7
72.5°	224.0	220.8	218.1	218.1	219.2
75°	182.1	183.7	185.3	182.7	178.4
77.5°	143.5	148.8	152.5	147.2	141.9
80°	105.4	113.8	118.6	112.8	104.8
82.5°	72.0	81.5	83.1	79.4	70.4
85°	39.7	46.6	47.1	45.5	39.7
87.5°	14.8	17.5	19.1	17.5	15.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)