

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: P737811

Luminaire Tested: **14PT-40-PC3-L930**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737811
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-L930
Description: 4000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

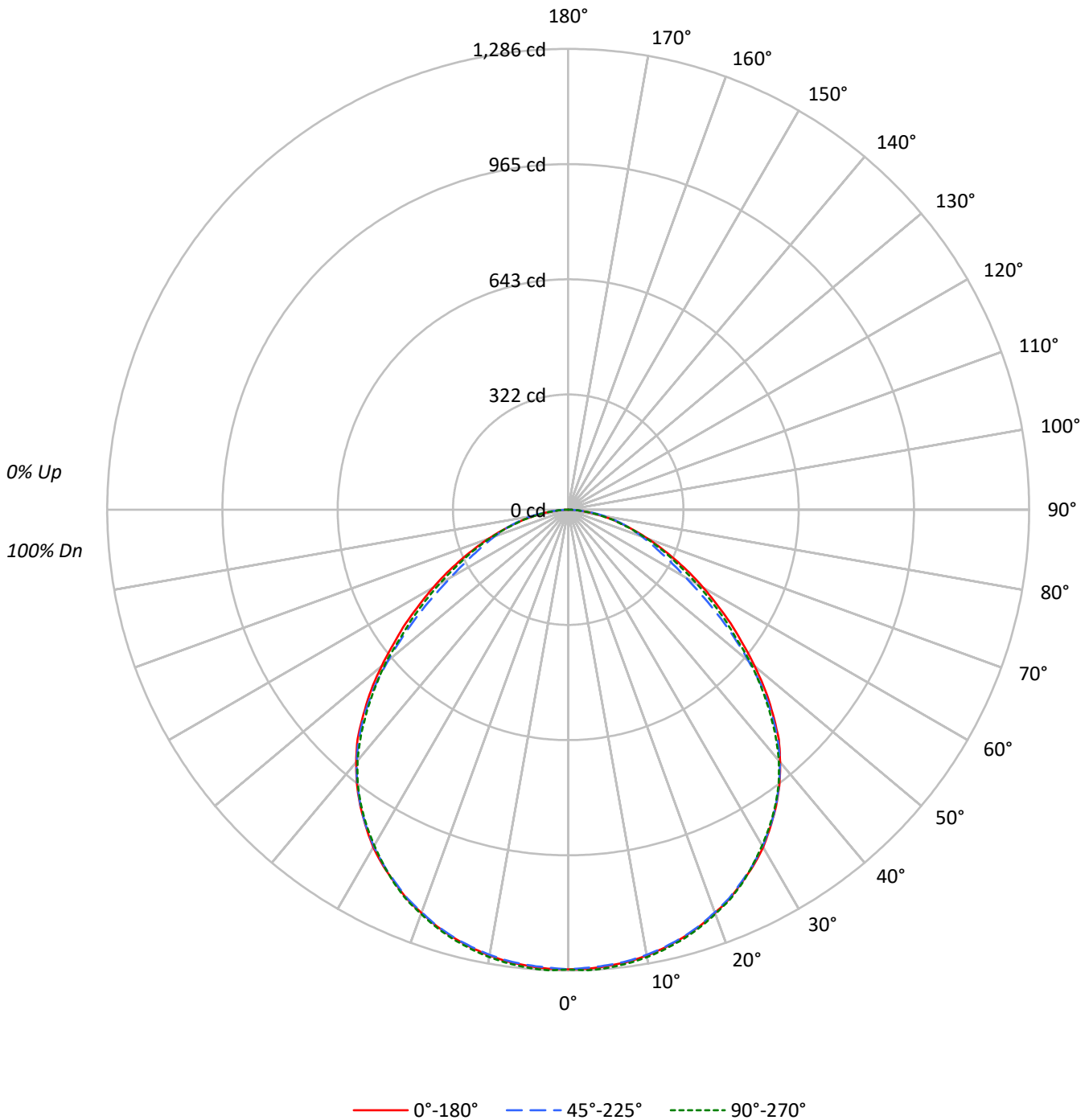
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3234.0 lumens
Efficiency: N/A
Efficacy: 100.7 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	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				85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72				72
3	92	82	74	68	90	80	73	68	77	71	66	75	70	65	72	68	64	62				62
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54				54
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47				47
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41				41
7	67	54	46	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37				37
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33				33
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30				30
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27				27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3846	3846	3846
5°	3847	3840	3862
10°	3847	3840	3861
15°	3838	3834	3851
20°	3821	3815	3831
25°	3794	3788	3804
30°	3766	3753	3747
35°	3698	3694	3687
40°	3600	3595	3579
45°	3424	3398	3364
50°	3169	3062	3097
55°	2892	2657	2777
60°	2608	2267	2487
65°	2330	2027	2236
70°	2067	1919	2011
75°	1828	1860	1791
80°	1576	1775	1568
85°	1183	1403	1183



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.7	3.8
10°-20°	349.2	10.8
20°-30°	528.7	16.3
30°-40°	630.4	19.5
40°-50°	615.9	19.0
50°-60°	471.0	14.6
60°-70°	302.4	9.4
70°-80°	168.2	5.2
80°-90°	46.4	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°	999.6	30.9
0°-40°	1630.0	50.4
0°-60°	2716.9	84.0
0°-90°	3234.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3234.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1283	1283	1283	1283	1283	
5°	1278	1279	1276	1282	1283	122
15°	1236	1237	1235	1239	1241	349
25°	1147	1148	1145	1149	1150	529
35°	1010	1011	1009	1009	1008	631
45°	808	809	802	800	793	621
55°	553	534	508	515	531	495
65°	328	303	286	296	315	328
75°	158	159	161	158	155	169
85°	34	40	41	40	34	42
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1282.8	1282.8	1282.8	1282.8	1282.8
2.5°	1281.9	1282.4	1279.2	1284.7	1286.5
5°	1278.2	1279.2	1276.0	1281.9	1283.3
7.5°	1272.7	1273.7	1270.4	1276.4	1276.9
10°	1263.6	1264.0	1261.3	1267.2	1268.2
12.5°	1251.2	1252.6	1249.3	1254.8	1255.3
15°	1236.5	1237.4	1235.1	1239.2	1240.6
17.5°	1219.1	1219.5	1217.2	1221.8	1222.3
20°	1197.5	1197.5	1195.7	1200.7	1200.7
22.5°	1175.5	1174.1	1173.6	1175.5	1178.2
25°	1147.0	1148.4	1145.2	1148.9	1149.8
27.5°	1119.5	1119.5	1116.7	1118.6	1116.3
30°	1087.8	1086.0	1084.2	1084.6	1082.3
32.5°	1049.8	1049.8	1048.8	1048.8	1046.1
35°	1010.3	1011.2	1009.4	1008.9	1007.5
37.5°	968.1	969.5	966.3	965.3	964.4
40°	919.9	919.9	918.5	916.7	914.4
42.5°	869.9	869.9	863.9	859.4	856.1
45°	807.5	809.3	801.5	799.7	793.3
47.5°	745.6	744.2	733.6	732.3	728.6
50°	679.5	671.7	656.6	660.7	663.9
52.5°	613.4	603.8	581.8	586.4	591.9
55°	553.3	534.1	508.4	514.8	531.3
57.5°	490.5	464.8	439.1	451.0	471.7
60°	435.0	406.0	378.1	390.9	414.8
62.5°	381.7	351.0	328.5	340.9	361.1
65°	328.5	303.3	285.8	295.5	315.2
67.5°	279.9	262.9	251.0	255.6	271.6
70°	235.8	225.3	218.9	220.2	229.4
72.5°	194.1	191.3	189.0	189.0	189.9
75°	157.8	159.2	160.6	158.3	154.6
77.5°	124.3	128.9	132.1	127.5	123.0
80°	91.3	98.6	102.8	97.7	90.8
82.5°	62.4	70.7	72.0	68.8	61.0
85°	34.4	40.4	40.8	39.5	34.4
87.5°	12.8	15.1	16.5	15.1	13.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)