

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: P737839

Luminaire Tested: **14PT-40-PW1-L830**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737839
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-40-PW1-L830
Description: 4000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

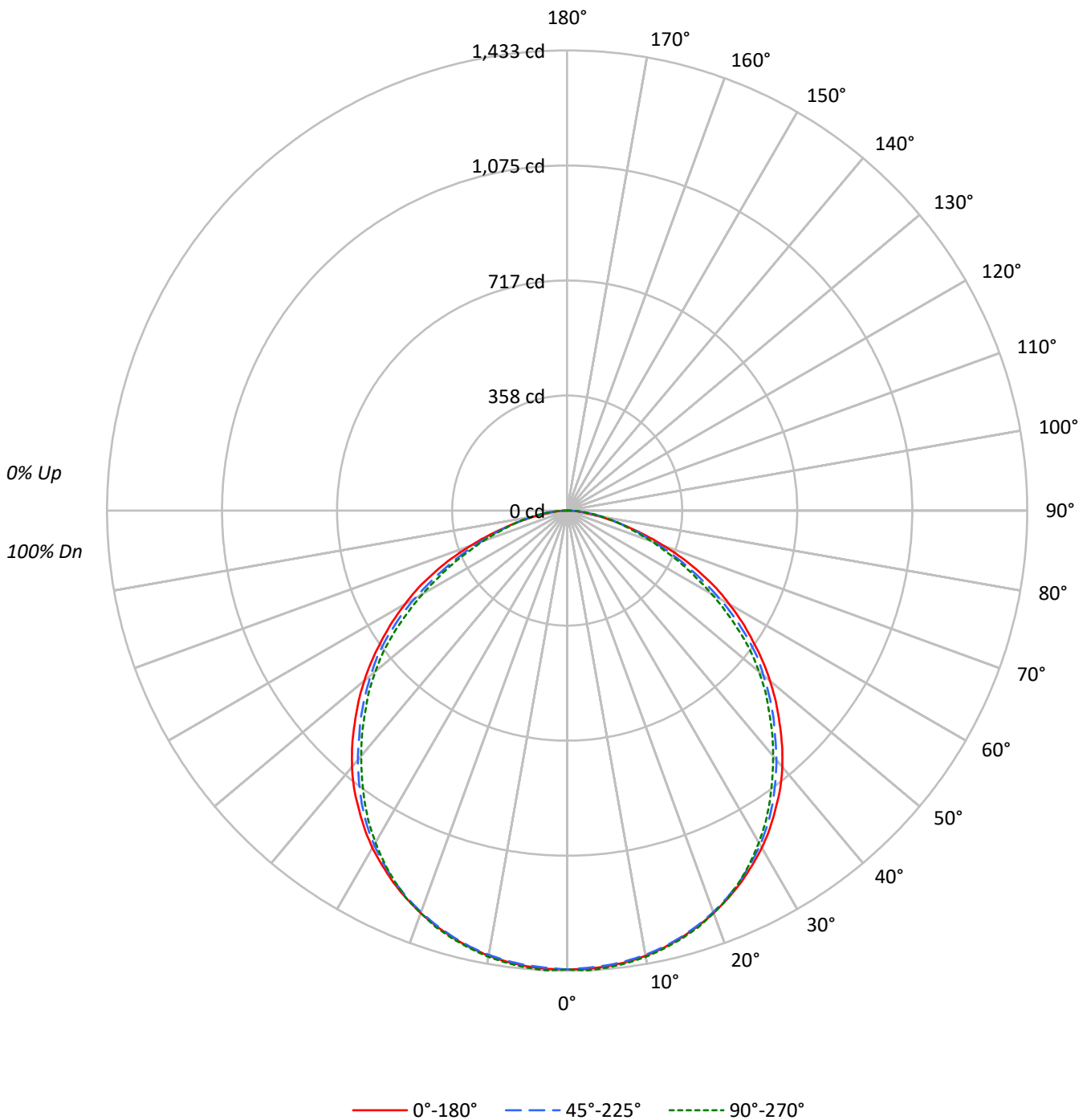
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3792.0 lumens
Efficiency: N/A
Efficacy: 118.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 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

TEST NUMBER: P737839
CATALOG NUMBER: 14PT-40-PW1-L830

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	95	98	95	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4284	4284	4284
5°	4288	4278	4300
10°	4286	4276	4297
15°	4272	4266	4282
20°	4255	4245	4255
25°	4231	4214	4210
30°	4199	4162	4133
35°	4143	4081	4029
40°	4080	3968	3906
45°	3966	3850	3771
50°	3847	3722	3635
55°	3686	3562	3421
60°	3495	3289	3117
65°	3233	2937	2791
70°	2803	2557	2460
75°	2238	2189	2128
80°	1701	1901	1901
85°	1256	1620	1620



TEST NUMBER: P737839

CATALOG NUMBER: 14PT-40-PW1-L830

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.5	3.6
10°-20°	388.7	10.2
20°-30°	587.4	15.5
30°-40°	697.5	18.4
40°-50°	702.7	18.5
50°-60°	607.4	16.0
60°-70°	415.1	10.9
70°-80°	204.7	5.4
80°-90°	52.9	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°	1111.6	29.3
0°-40°	1809.1	47.7
0°-60°	3119.2	82.3
0°-90°	3792.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3792.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1429	1429	1429	1429	1429	
5°	1425	1425	1422	1427	1429	135
15°	1376	1378	1374	1379	1380	389
25°	1279	1278	1274	1275	1273	589
35°	1132	1128	1115	1105	1101	709
45°	936	926	908	897	890	722
55°	705	703	681	661	654	631
65°	456	439	414	396	393	450
75°	193	192	189	189	184	211
85°	36	43	47	48	47	45
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1428.9	1428.9	1428.9	1428.9	1428.9
2.5°	1428.4	1428.9	1425.2	1431.6	1433.2
5°	1424.7	1425.2	1421.5	1427.4	1428.9
7.5°	1417.8	1418.9	1414.7	1420.5	1421.5
10°	1407.8	1408.3	1404.6	1410.4	1411.5
12.5°	1394.0	1394.5	1391.4	1396.7	1396.7
15°	1376.5	1378.1	1374.4	1379.2	1379.7
17.5°	1356.9	1357.5	1353.8	1359.1	1360.1
20°	1333.6	1333.6	1330.5	1334.7	1333.6
22.5°	1307.7	1307.7	1304.0	1306.1	1307.2
25°	1279.1	1278.1	1273.8	1274.9	1272.8
27.5°	1246.3	1246.3	1238.9	1238.9	1235.2
30°	1212.9	1210.3	1202.3	1197.6	1193.9
32.5°	1174.8	1171.1	1161.1	1152.6	1149.9
35°	1131.9	1128.2	1115.0	1104.9	1100.7
37.5°	1090.6	1082.2	1064.7	1054.6	1049.9
40°	1042.5	1031.9	1013.9	1000.1	998.0
42.5°	990.6	982.1	958.8	948.7	946.1
45°	935.5	925.5	908.0	897.4	889.5
47.5°	881.5	874.1	854.0	841.3	838.6
50°	824.9	818.5	797.9	784.1	779.3
52.5°	766.1	761.9	744.4	726.9	721.1
55°	705.2	703.1	681.4	661.3	654.4
57.5°	645.4	642.7	615.7	592.4	586.1
60°	582.9	575.0	548.5	526.8	519.9
62.5°	523.6	506.7	478.1	461.1	453.2
65°	455.8	439.4	414.0	396.0	393.4
67.5°	389.1	369.5	350.0	338.8	330.4
70°	319.8	306.5	291.7	282.2	280.6
72.5°	255.2	245.7	238.2	232.4	227.7
75°	193.2	191.7	189.0	189.0	183.7
77.5°	141.9	145.6	147.7	147.2	148.2
80°	98.5	105.9	110.1	110.7	110.1
82.5°	62.5	70.9	77.8	78.9	79.9
85°	36.5	42.9	47.1	48.2	47.1
87.5°	16.4	20.6	21.7	22.8	21.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)