

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: P737825

Luminaire Tested: **14PT-40-PP3-L840**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737825
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-40-PP3-L840
Description: 4000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND PRISM LENS

Light Source: -
Ballast/Driver: -

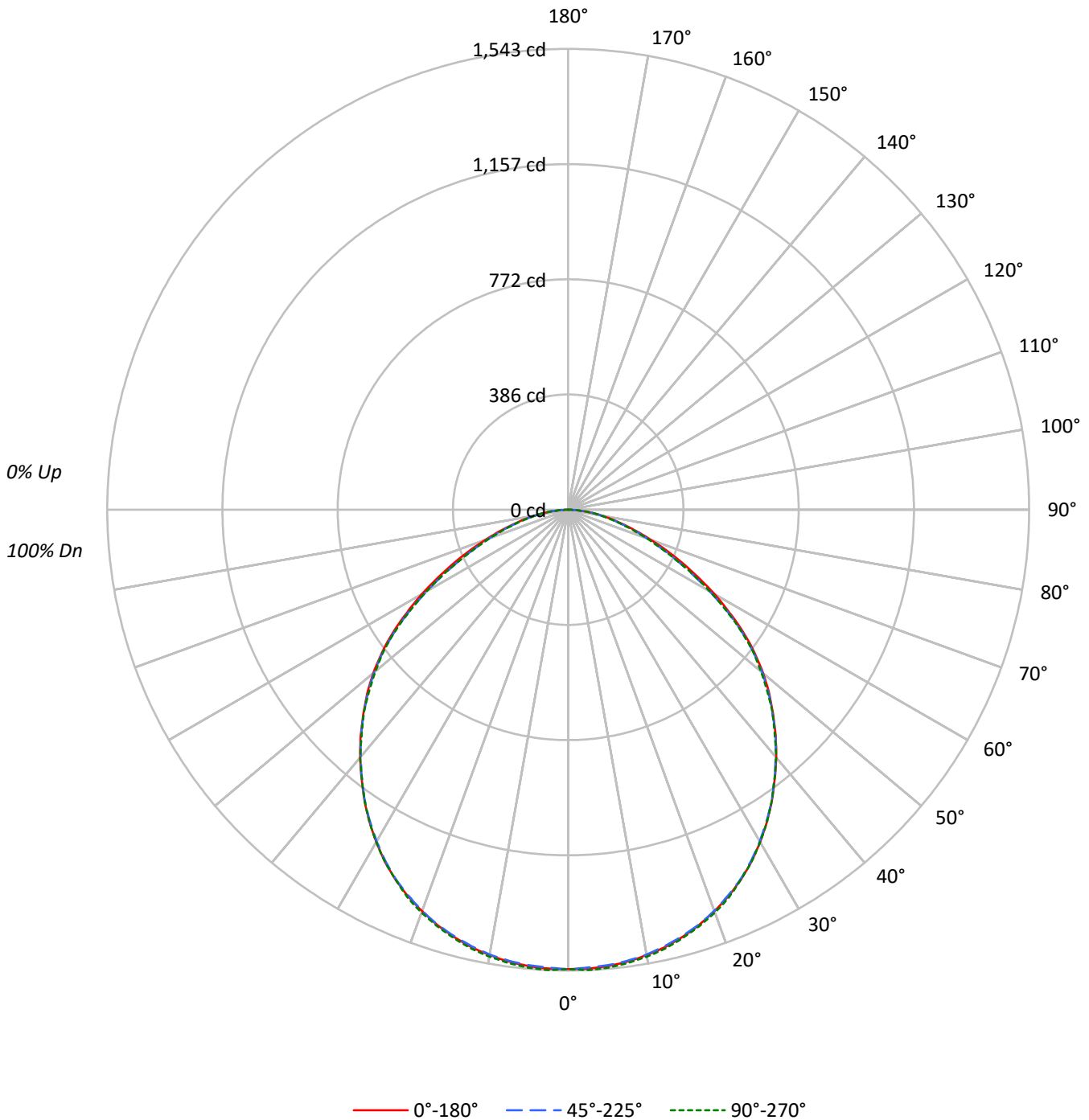
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3975.0 lumens
Efficiency: N/A
Efficacy: 123.8 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 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

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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	99	96	93		95	92	90		91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	78		84	79	76		81	77	74	72
3	92	81	74	67	89	80	73	67	77	71	66		74	69	65		72	67	63	61
4	84	73	64	58	82	71	63	57	69	62	56		66	60	56		64	59	55	53
5	77	65	56	50	75	64	56	50	62	55	49		60	54	49		58	52	48	46
6	72	59	50	44	70	58	50	44	56	49	43		54	48	43		53	47	42	40
7	66	53	45	39	65	52	44	39	51	44	38		50	43	38		48	42	38	36
8	62	49	40	35	60	48	40	35	47	39	34		45	39	34		44	38	34	32
9	58	45	37	31	57	44	36	31	43	36	31		42	35	31		41	35	31	29
10	54	41	34	28	53	41	33	28	40	33	28		39	33	28		38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4612	4612	4612
5°	4616	4606	4632
10°	4610	4604	4626
15°	4595	4586	4607
20°	4564	4561	4581
25°	4524	4516	4522
30°	4448	4438	4448
35°	4351	4345	4349
40°	4240	4227	4237
45°	4113	4101	4106
50°	3974	3956	3928
55°	3742	3698	3687
60°	3395	3281	3288
65°	2983	2833	2828
70°	2580	2462	2433
75°	2232	2148	2102
80°	1977	1948	1861
85°	1634	1689	1593



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.9	3.7
10°-20°	418.0	10.5
20°-30°	629.3	15.8
30°-40°	742.7	18.7
40°-50°	747.0	18.8
50°-60°	630.6	15.9
60°-70°	405.0	10.2
70°-80°	201.4	5.1
80°-90°	55.2	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°	1193.1	30.0
0°-40°	1935.9	48.7
0°-60°	3313.4	83.4
0°-90°	3975.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3975.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1538	1538	1538	1538	1538	
5°	1534	1534	1531	1538	1539	146
15°	1480	1481	1478	1484	1484	418
25°	1368	1368	1365	1368	1367	629
35°	1189	1189	1187	1188	1188	743
45°	970	973	967	968	968	749
55°	716	715	708	705	705	637
65°	420	414	399	395	399	419
75°	193	192	185	184	182	208
85°	48	49	49	46	46	56
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1538.4	1538.4	1538.4	1538.4	1538.4
2.5°	1537.9	1538.4	1534.5	1541.8	1542.9
5°	1533.9	1534.5	1530.6	1537.9	1539.0
7.5°	1526.1	1526.7	1523.3	1530.0	1531.1
10°	1514.4	1516.1	1512.2	1518.3	1519.4
12.5°	1499.9	1500.4	1496.5	1503.8	1504.9
15°	1480.3	1480.9	1477.5	1484.2	1484.2
17.5°	1458.0	1458.6	1456.3	1461.9	1461.3
20°	1430.6	1432.3	1429.5	1433.4	1435.7
22.5°	1401.0	1401.6	1398.2	1403.3	1405.5
25°	1367.5	1368.1	1365.3	1368.1	1367.0
27.5°	1328.4	1329.6	1325.7	1328.4	1329.0
30°	1284.9	1287.7	1282.1	1284.3	1284.9
32.5°	1238.0	1239.7	1235.8	1236.3	1239.1
35°	1188.8	1189.4	1187.2	1188.3	1188.3
37.5°	1135.8	1138.0	1134.7	1136.4	1134.1
40°	1083.3	1081.1	1080.0	1081.1	1082.7
42.5°	1028.0	1028.6	1026.9	1025.8	1023.0
45°	970.0	973.3	967.2	968.3	968.3
47.5°	913.0	913.6	910.2	906.9	904.6
50°	852.1	852.1	848.2	845.4	842.1
52.5°	785.7	784.6	780.1	777.3	779.0
55°	715.9	715.3	707.5	704.7	705.3
57.5°	639.4	640.5	628.8	626.0	626.0
60°	566.2	560.6	547.2	543.3	548.4
62.5°	489.7	483.0	468.5	468.5	472.4
65°	420.5	414.3	399.3	395.4	398.7
67.5°	355.7	350.1	336.2	333.9	335.0
70°	294.3	289.3	280.9	275.9	277.5
72.5°	241.2	236.8	231.2	227.3	225.0
75°	192.7	191.5	185.4	183.7	181.5
77.5°	152.4	151.9	146.9	144.6	142.4
80°	114.5	113.9	112.8	109.4	107.8
82.5°	81.5	81.5	81.0	78.2	76.5
85°	47.5	49.1	49.1	46.3	46.3
87.5°	19.0	20.1	19.0	19.0	18.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)