

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: P737753

Luminaire Tested: **14PT-30-PB1-L840**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737753
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-30-PB1-L840
Description: 3000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND BEVEL LENS

Light Source: -
Ballast/Driver: -

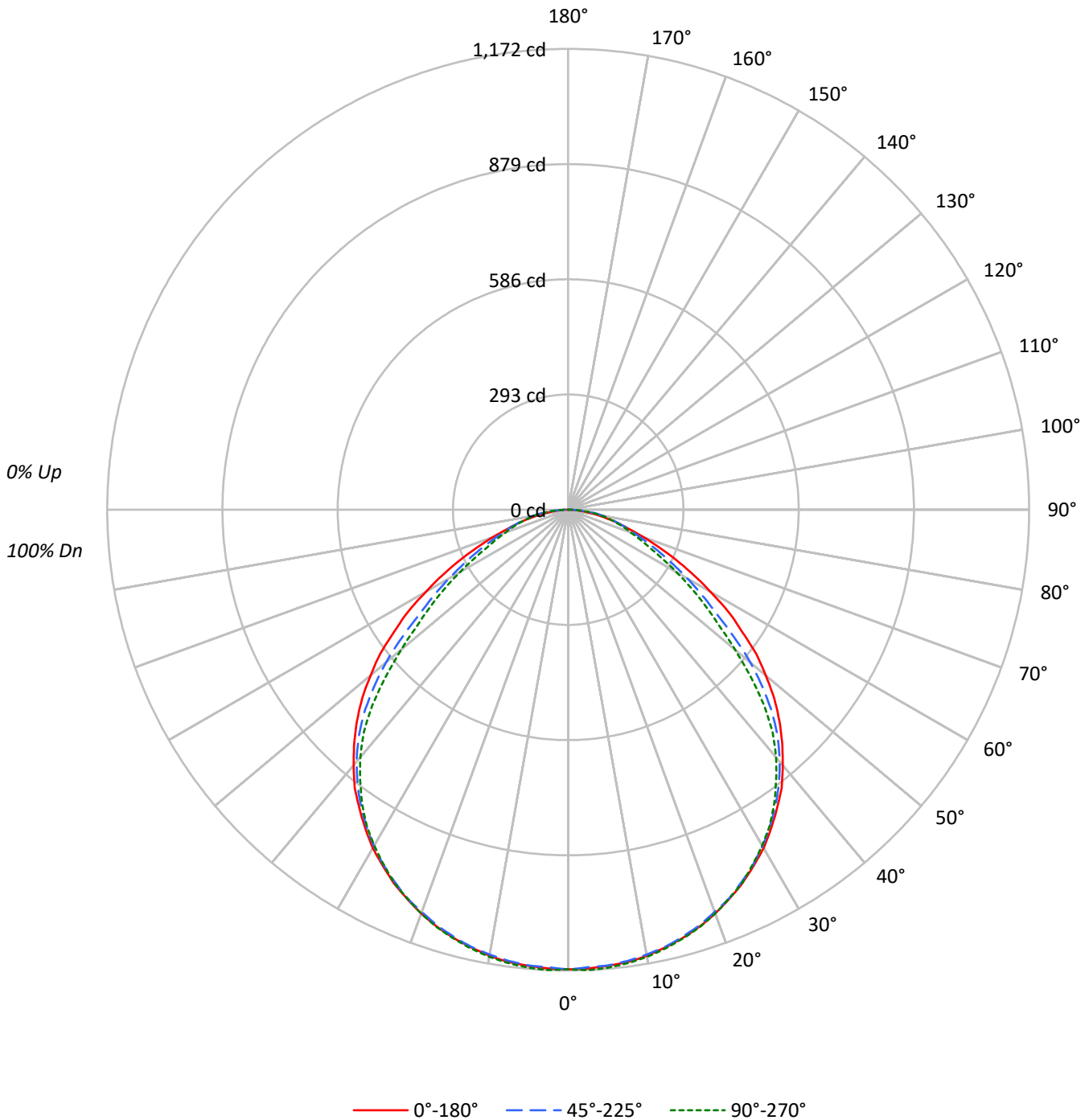
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2915.0 lumens
Efficiency: N/A
Efficacy: 124.6 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): 23.4
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: P737753
CATALOG NUMBER: 14PT-30-PB1-L840

Luminous Intensity Polar Plot





TEST NUMBER: P737753

CATALOG NUMBER: 14PT-30-PB1-L840

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	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	93	90	91	89	88					86				
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75					73				
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64					62				
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56					54				
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49					47				
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44					42				
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39					37				
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35					33				
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32					30				
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29					27				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3505	3505	3505
5°	3505	3501	3518
10°	3506	3498	3515
15°	3499	3490	3504
20°	3487	3473	3487
25°	3467	3453	3463
30°	3440	3420	3415
35°	3389	3363	3342
40°	3320	3275	3219
45°	3219	3115	2987
50°	3058	2824	2582
55°	2818	2398	2225
60°	2509	2095	1906
65°	2152	1815	1622
70°	1777	1601	1488
75°	1499	1533	1449
80°	1266	1564	1490
85°	991	1582	1386



TEST NUMBER: P737753

CATALOG NUMBER: 14PT-30-PB1-L840

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.8	3.8
10°-20°	318.1	10.9
20°-30°	481.8	16.5
30°-40°	574.1	19.7
40°-50°	561.4	19.3
50°-60°	424.6	14.6
60°-70°	260.9	8.9
70°-80°	139.0	4.8
80°-90°	44.3	1.5
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°	910.7	31.2
0°-40°	1484.8	50.9
0°-60°	2470.8	84.8
0°-90°	2915.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2915.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1169	1169	1169	1169	1169	
5°	1165	1166	1163	1168	1169	111
15°	1127	1129	1124	1129	1129	318
25°	1048	1047	1044	1045	1047	483
35°	926	925	919	914	913	579
45°	759	755	735	710	705	584
55°	539	512	459	433	426	483
65°	303	279	256	236	229	302
75°	129	131	132	128	125	139
85°	29	37	46	43	40	35
90°	0	0	0	0	0	



TEST NUMBER: P737753

CATALOG NUMBER: 14PT-30-PB1-L840

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1169.0	1169.0	1169.0	1169.0	1169.0
2.5°	1167.6	1169.0	1164.7	1170.5	1171.9
5°	1164.7	1166.2	1163.3	1167.6	1169.0
7.5°	1160.4	1160.4	1157.5	1161.8	1163.3
10°	1151.8	1151.8	1148.9	1153.2	1154.7
12.5°	1140.3	1140.3	1138.8	1141.7	1143.1
15°	1127.3	1128.8	1124.5	1128.8	1128.8
17.5°	1111.5	1110.1	1108.6	1111.5	1113.0
20°	1092.8	1092.8	1088.5	1091.4	1092.8
22.5°	1071.3	1071.3	1069.8	1071.3	1069.8
25°	1048.2	1046.8	1043.9	1045.4	1046.8
27.5°	1020.9	1020.9	1018.0	1018.0	1016.6
30°	993.6	992.2	987.9	985.0	986.4
32.5°	960.5	959.1	954.8	951.9	953.3
35°	926.0	924.6	918.8	914.5	913.1
37.5°	891.5	887.2	880.0	874.3	868.5
40°	848.4	844.1	836.9	823.9	822.5
42.5°	805.2	800.9	789.4	773.6	769.3
45°	759.2	754.9	734.8	710.3	704.6
47.5°	710.3	703.1	671.5	641.3	629.8
50°	655.7	642.8	605.4	566.5	553.6
52.5°	602.5	579.5	530.6	496.1	483.1
55°	539.2	511.9	458.7	432.8	425.6
57.5°	483.1	445.8	402.6	376.7	371.0
60°	418.4	383.9	349.4	326.4	317.8
62.5°	359.5	329.3	300.5	280.4	270.3
65°	303.4	279.0	255.9	235.8	228.6
67.5°	248.8	235.8	217.1	201.3	197.0
70°	202.7	195.6	182.6	175.4	169.7
72.5°	161.0	163.9	155.3	152.4	148.1
75°	129.4	130.9	132.3	128.0	125.1
77.5°	97.8	105.0	110.7	107.8	105.0
80°	73.3	80.5	90.6	86.3	86.3
82.5°	50.3	59.0	67.6	64.7	63.3
85°	28.8	37.4	46.0	43.1	40.3
87.5°	11.5	18.7	20.1	20.1	18.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)