

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: P412301

Luminaire Tested: **14PD-35-PB1-L840**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412301
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-56)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-35-PB1-L840
Description: 3500 LUMEN 1X4 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 80 CRI, 4000 CCT LEDS
Light Source: -
Ballast/Driver: -

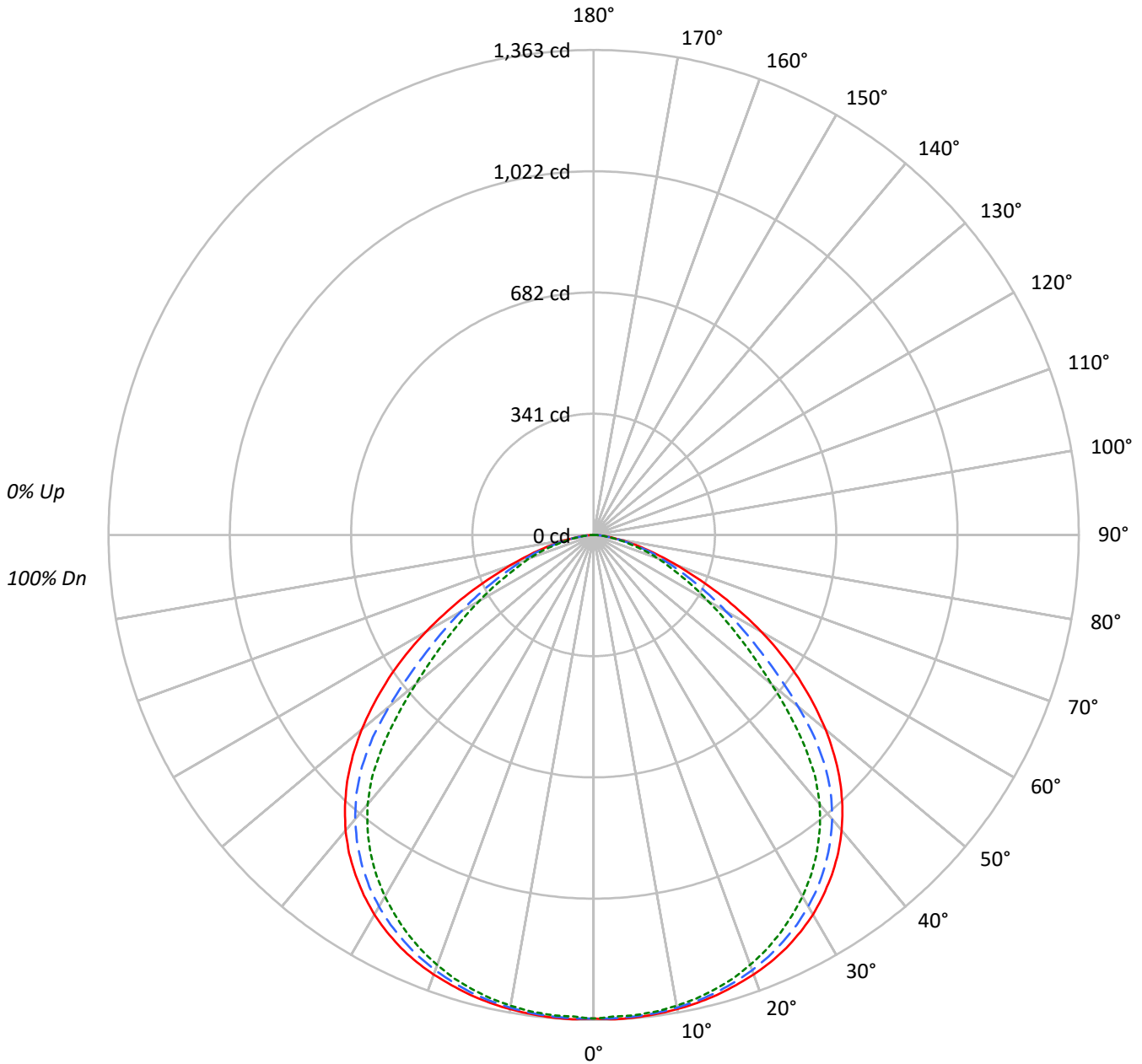
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3504.0 lumens
Efficiency: N/A
Efficacy: 110.2 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.28 / 1.38
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 31.8
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				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	106	102	99	107	104	100	97	99	96	94	95	93	91	92	90	88	86				86
2	101	93	87	82	98	92	86	81	88	83	79	85	81	77	82	79	76	74				74
3	93	83	75	69	90	81	74	69	78	72	67	76	71	66	73	69	65	63				63
4	85	74	66	59	83	73	65	59	70	63	58	68	62	57	66	61	57	55				55
5	78	66	58	51	76	65	57	51	63	56	51	61	55	50	59	54	50	48				48
6	73	60	51	45	71	59	51	45	57	50	45	56	49	44	54	48	44	42				42
7	67	54	46	40	66	54	46	40	52	45	40	51	44	39	49	44	39	37				37
8	63	50	42	36	61	49	41	36	48	41	36	47	40	35	45	40	35	33				33
9	59	46	38	32	57	45	37	32	44	37	32	43	37	32	42	36	32	30				30
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27				27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3658	3658	3658
5°	3677	3669	3659
10°	3698	3686	3671
15°	3729	3709	3682
20°	3765	3728	3683
25°	3803	3743	3672
30°	3828	3747	3646
35°	3831	3726	3589
40°	3809	3662	3470
45°	3726	3503	3186
50°	3561	3137	2731
55°	3298	2690	2332
60°	2929	2309	1993
65°	2458	1969	1706
70°	1949	1674	1505
75°	1523	1366	1197
80°	1136	1018	919
85°	753	664	611



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.3	3.7
10°-20°	375.6	10.7
20°-30°	580.1	16.6
30°-40°	706.0	20.1
40°-50°	698.6	19.9
50°-60°	526.4	15.0
60°-70°	316.3	9.0
70°-80°	142.6	4.1
80°-90°	29.2	0.8
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°	1085.0	31.0
0°-40°	1791.0	51.1
0°-60°	3016.0	86.1
0°-90°	3504.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3504.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1359	1359	1359	1359	1359	
5°	1361	1356	1358	1357	1355	130
15°	1338	1332	1331	1326	1322	378
25°	1281	1271	1260	1244	1237	590
35°	1166	1154	1134	1106	1092	729
45°	979	962	920	864	837	752
55°	703	654	573	518	497	626
65°	386	350	309	277	268	384
75°	146	139	131	119	115	160
85°	24	25	22	20	20	31
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1359.3	1359.3	1359.3	1359.3	1359.3
2.5°	1362.8	1357.0	1359.9	1359.3	1354.7
5°	1361.1	1355.9	1358.2	1357.0	1354.7
7.5°	1358.2	1352.9	1354.7	1352.9	1350.6
10°	1353.5	1347.7	1348.9	1345.4	1343.6
12.5°	1347.1	1340.2	1341.3	1336.7	1334.3
15°	1338.4	1332.0	1331.4	1326.2	1321.6
17.5°	1327.4	1321.0	1317.5	1311.7	1306.4
20°	1314.6	1306.4	1301.8	1291.3	1286.1
22.5°	1299.5	1290.7	1283.2	1268.6	1263.4
25°	1280.9	1271.0	1260.5	1243.6	1236.7
27.5°	1258.2	1247.7	1235.5	1216.9	1206.4
30°	1232.0	1221.0	1205.9	1184.3	1173.3
32.5°	1201.2	1189.0	1172.7	1147.1	1135.5
35°	1166.3	1153.5	1134.3	1106.4	1092.5
37.5°	1128.5	1114.0	1091.3	1057.6	1043.6
40°	1084.3	1069.8	1042.5	1003.5	987.8
42.5°	1034.3	1019.8	986.7	940.1	921.0
45°	979.1	962.2	920.4	864.0	837.2
47.5°	917.5	896.0	841.3	772.1	745.4
50°	850.6	822.1	749.4	678.5	652.3
52.5°	777.9	741.9	658.2	594.8	569.8
55°	702.9	653.5	573.3	517.5	497.1
57.5°	625.0	565.7	498.9	450.0	430.8
60°	544.2	486.6	429.1	384.3	370.4
62.5°	461.6	414.5	366.9	325.6	318.0
65°	386.1	350.0	309.3	276.8	268.0
67.5°	309.9	289.5	258.1	236.1	226.2
70°	247.7	234.3	212.8	194.8	191.3
72.5°	193.6	184.9	176.7	161.1	154.7
75°	146.5	139.0	131.4	119.2	115.1
77.5°	105.8	102.9	96.5	88.4	86.6
80°	73.3	73.3	65.7	61.0	59.3
82.5°	45.4	49.4	41.3	38.4	36.6
85°	24.4	25.0	21.5	20.3	19.8
87.5°	9.3	10.5	9.9	8.1	8.1
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)