

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: P506576

Luminaire Tested: **24PD-30-PR1-L840**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506576
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-12)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PD-30-PR1-L840
Description: 3000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 80 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

Summary

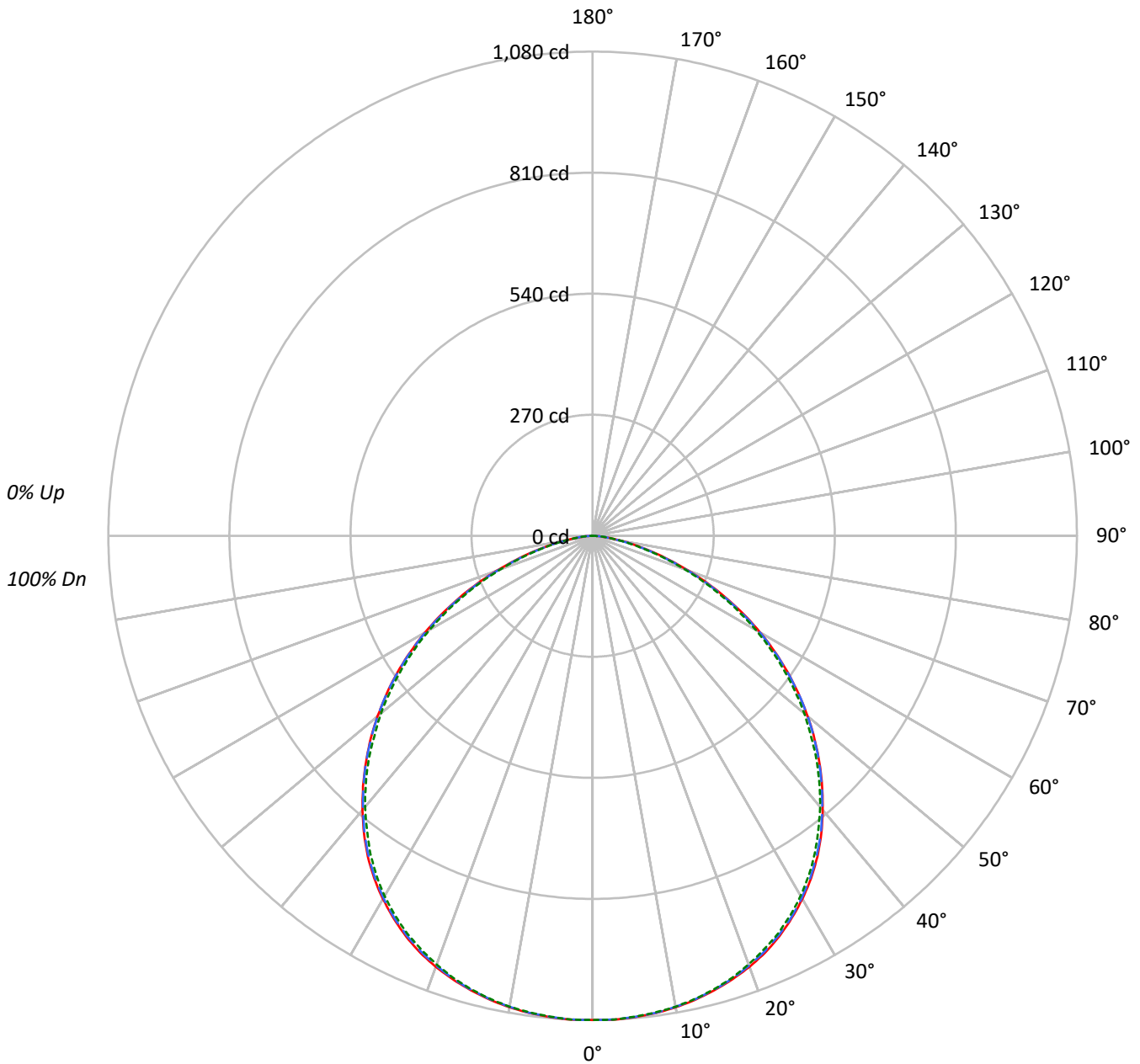
Lumens per Lamp: N/A
Luminaire Lumens: 2908.0 lumens
Efficiency: N/A
Efficacy: 136.5 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 21.3
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			
1	110	105	101	98	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	91	81	74	67	89	80	73	67	77	71	66	74	69	64	72	67	63	61			
4	84	72	64	57	82	71	63	57	68	62	56	66	60	55	64	59	55	52			
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46			
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40			
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35			
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	32			
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	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°	1453	1453	1453
5°	1456	1455	1454
10°	1459	1458	1457
15°	1462	1460	1458
20°	1465	1461	1457
25°	1463	1459	1453
30°	1453	1449	1441
35°	1436	1431	1419
40°	1402	1399	1387
45°	1361	1359	1344
50°	1310	1310	1290
55°	1246	1243	1220
60°	1161	1157	1130
65°	1046	1034	1010
70°	893	880	858
75°	706	690	674
80°	501	488	473
85°	301	293	284



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.5	3.5
10°-20°	296.0	10.2
20°-30°	452.5	15.6
30°-40°	543.4	18.7
40°-50°	549.1	18.9
50°-60°	471.9	16.2
60°-70°	321.9	11.1
70°-80°	144.7	5.0
80°-90°	26.0	0.9
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°	851.0	29.3
0°-40°	1394.4	48.0
0°-60°	2415.4	83.1
0°-90°	2908.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2908.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1080	1080	1080	1080	1080	
5°	1078	1078	1077	1077	1077	103
15°	1050	1049	1048	1047	1047	296
25°	986	985	983	980	979	454
35°	874	874	871	866	864	546
45°	715	717	714	709	706	551
55°	531	533	530	525	520	474
65°	329	330	325	322	317	325
75°	136	137	133	132	130	147
85°	20	20	19	19	18	27
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1080.2	1080.2	1080.2	1080.2	1080.2
2.5°	1080.4	1080.2	1079.9	1079.3	1080.2
5°	1077.9	1077.7	1077.4	1076.8	1076.8
7.5°	1074.0	1073.5	1073.5	1072.6	1072.4
10°	1067.9	1067.6	1066.8	1066.8	1066.5
12.5°	1060.1	1059.5	1058.7	1058.4	1057.8
15°	1049.5	1049.2	1048.1	1047.2	1047.0
17.5°	1037.5	1036.6	1035.8	1033.9	1033.9
20°	1023.0	1022.4	1020.5	1018.5	1017.4
22.5°	1006.2	1005.1	1002.9	1000.9	998.7
25°	985.6	985.3	982.8	979.5	978.6
27.5°	961.6	962.2	959.6	956.3	954.6
30°	935.4	936.5	932.9	928.7	927.8
32.5°	906.6	906.9	903.9	899.4	897.7
35°	874.0	874.0	871.2	865.9	864.2
37.5°	837.7	837.5	835.8	829.6	826.6
40°	798.4	799.8	796.5	790.9	789.5
42.5°	757.7	759.3	756.3	751.5	748.5
45°	715.3	717.2	714.2	709.1	706.1
47.5°	671.5	672.9	670.6	664.2	660.0
50°	626.0	628.8	625.7	619.0	616.2
52.5°	579.1	582.2	578.6	573.6	568.3
55°	531.2	533.1	530.0	525.3	520.0
57.5°	481.8	485.7	480.7	475.1	470.6
60°	431.6	434.9	429.9	424.9	420.1
62.5°	380.5	382.7	377.2	374.1	368.5
65°	328.6	330.3	324.7	322.5	317.2
67.5°	277.3	278.7	273.4	270.3	267.3
70°	227.1	228.2	223.7	220.9	218.2
72.5°	179.7	179.9	175.7	174.9	171.6
75°	135.9	137.0	132.8	132.0	129.7
77.5°	97.6	97.9	95.1	94.6	92.6
80°	64.7	65.0	63.0	62.8	61.1
82.5°	39.1	39.3	37.7	37.7	36.5
85°	19.5	19.8	19.0	19.0	18.4
87.5°	6.7	7.0	6.7	6.7	6.4
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)