

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: P506579

Luminaire Tested: **24PD-30-PR1-L930**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506579
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-L930
Description: 3000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI, 3000K LEDS
Light Source: -
Ballast/Driver: -

Summary

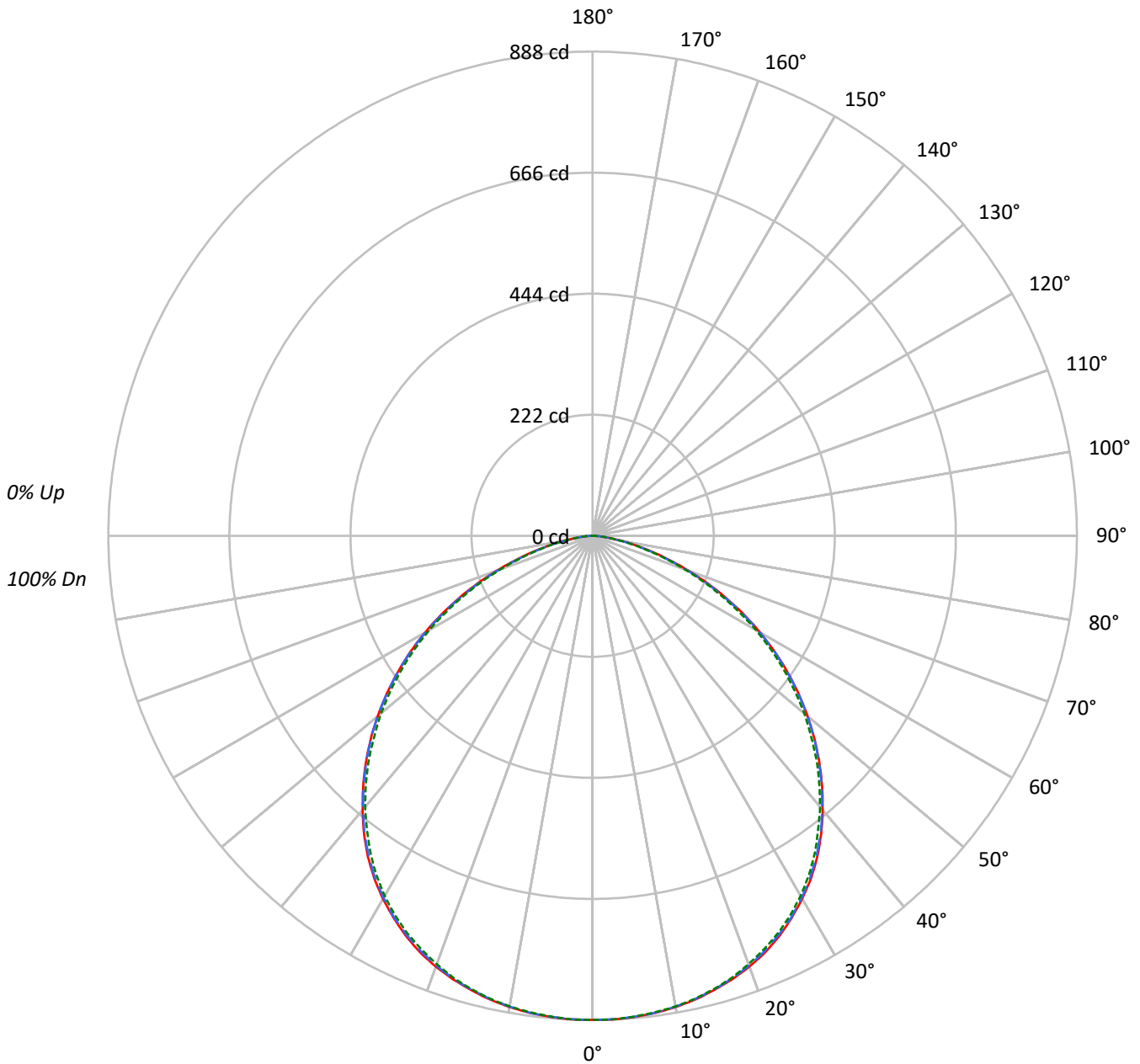
Lumens per Lamp: N/A
Luminaire Lumens: 2390.0 lumens
Efficiency: N/A
Efficacy: 112.2 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	1195	1195	1195
5°	1197	1196	1195
10°	1199	1198	1198
15°	1201	1200	1199
20°	1204	1201	1197
25°	1203	1199	1194
30°	1194	1191	1185
35°	1180	1176	1167
40°	1153	1150	1140
45°	1119	1117	1104
50°	1077	1077	1060
55°	1024	1022	1003
60°	954	951	929
65°	860	850	830
70°	734	723	705
75°	581	567	554
80°	412	401	389
85°	247	241	233



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.3	3.5
10°-20°	243.3	10.2
20°-30°	371.9	15.6
30°-40°	446.6	18.7
40°-50°	451.3	18.9
50°-60°	387.8	16.2
60°-70°	264.5	11.1
70°-80°	118.9	5.0
80°-90°	21.4	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°	699.4	29.3
0°-40°	1146.0	48.0
0°-60°	1985.2	83.1
0°-90°	2390.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2390.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	888	888	888	888	888	
5°	886	886	886	885	885	84
15°	862	862	861	861	860	244
25°	810	810	808	805	804	373
35°	718	718	716	712	710	448
45°	588	590	587	583	580	453
55°	436	438	436	432	427	390
65°	270	272	267	265	261	267
75°	112	113	109	108	107	121
85°	16	16	16	16	15	22
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	887.8	887.8	887.8	887.8	887.8
2.5°	888.0	887.8	887.5	887.1	887.8
5°	885.9	885.7	885.5	885.0	885.0
7.5°	882.7	882.3	882.3	881.6	881.3
10°	877.7	877.4	876.7	876.7	876.5
12.5°	871.2	870.8	870.1	869.9	869.4
15°	862.5	862.3	861.4	860.7	860.5
17.5°	852.7	852.0	851.3	849.7	849.7
20°	840.8	840.3	838.7	837.1	836.2
22.5°	827.0	826.1	824.2	822.6	820.8
25°	810.0	809.8	807.7	805.0	804.3
27.5°	790.3	790.8	788.7	786.0	784.6
30°	768.8	769.7	766.7	763.3	762.6
32.5°	745.1	745.4	742.9	739.2	737.8
35°	718.3	718.3	716.0	711.7	710.3
37.5°	688.5	688.3	686.9	681.9	679.3
40°	656.2	657.3	654.6	650.0	648.8
42.5°	622.7	624.1	621.6	617.7	615.1
45°	587.9	589.5	586.9	582.8	580.3
47.5°	551.9	553.0	551.2	545.9	542.5
50°	514.5	516.8	514.3	508.8	506.5
52.5°	476.0	478.5	475.5	471.4	467.0
55°	436.5	438.1	435.6	431.7	427.4
57.5°	396.0	399.2	395.0	390.5	386.8
60°	354.7	357.4	353.3	349.2	345.3
62.5°	312.7	314.6	310.0	307.5	302.9
65°	270.1	271.5	266.9	265.0	260.7
67.5°	227.9	229.0	224.7	222.2	219.6
70°	186.6	187.5	183.9	181.6	179.3
72.5°	147.7	147.9	144.4	143.8	141.0
75°	111.7	112.6	109.1	108.4	106.6
77.5°	80.2	80.5	78.2	77.7	76.1
80°	53.2	53.4	51.8	51.6	50.2
82.5°	32.1	32.3	31.0	31.0	30.0
85°	16.0	16.3	15.6	15.6	15.1
87.5°	5.5	5.7	5.5	5.5	5.3
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)