

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: P506259

Luminaire Tested: **22PD-35-PW1-L830**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506259
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PD-35-PW1-L830
Description: 3500 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

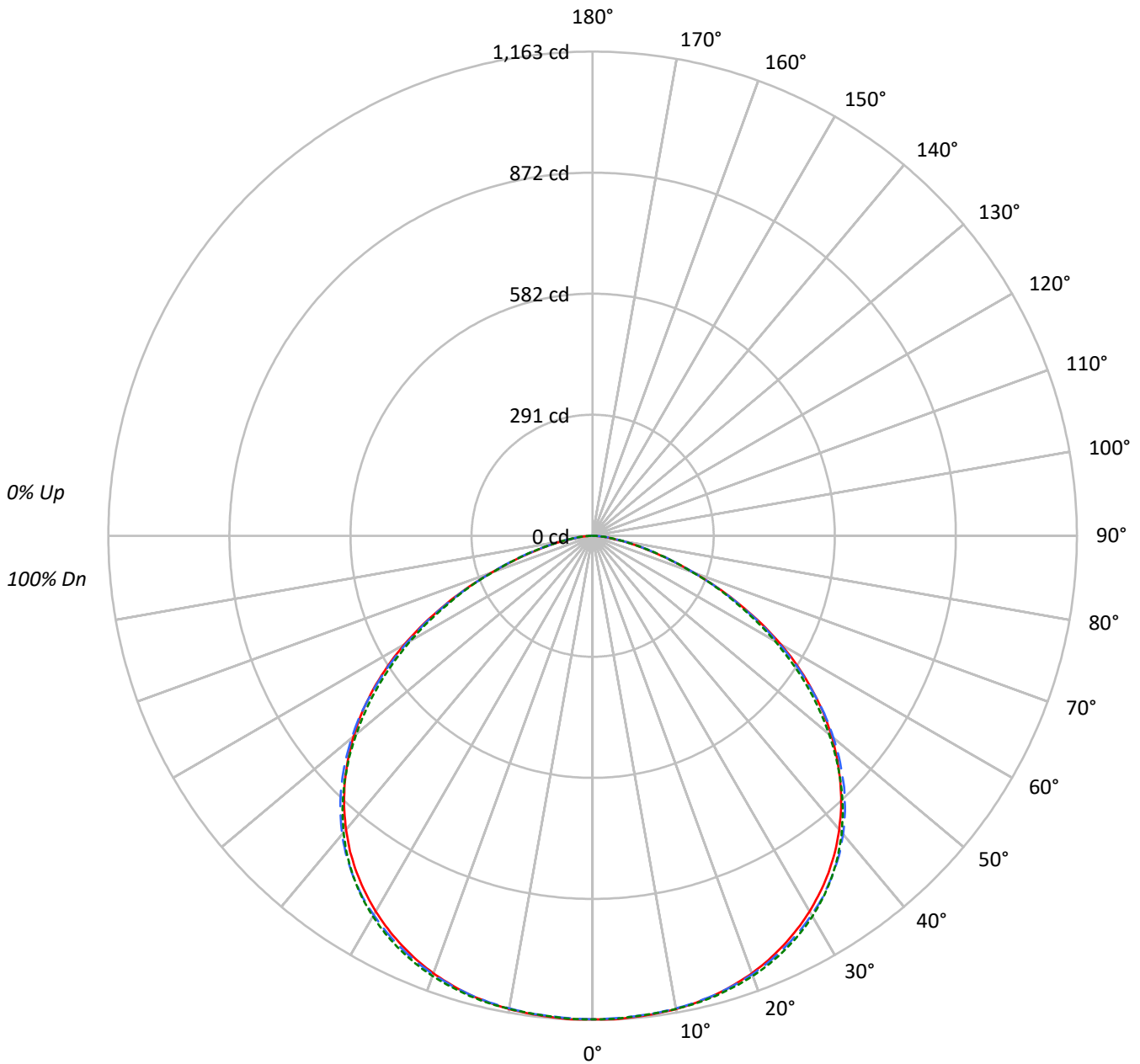
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3357.6 lumens
Efficiency: N/A
Efficacy: 116.6 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.34 / 1.44
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85				85
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72				72
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61				61
4	84	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52				52
5	77	64	55	49	75	63	55	48	61	54	48	59	52	47	57	51	47	45				45
6	71	58	49	42	69	57	48	42	55	47	42	53	47	42	52	46	41	39				39
7	66	52	44	37	64	51	43	37	50	42	37	48	42	37	47	41	37	35				35
8	61	48	39	33	59	47	39	33	46	38	33	44	38	33	43	37	33	31				31
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28				28
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25				25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3126	3126	3126
5°	3134	3130	3131
10°	3155	3150	3154
15°	3179	3178	3187
20°	3203	3210	3223
25°	3222	3241	3255
30°	3238	3269	3280
35°	3246	3288	3289
40°	3236	3288	3269
45°	3204	3250	3210
50°	3139	3161	3104
55°	3017	3003	2947
60°	2808	2777	2719
65°	2477	2453	2406
70°	2028	2038	1995
75°	1537	1589	1575
80°	1113	1158	1139
85°	732	756	809



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.4	3.3
10°-20°	322.6	9.6
20°-30°	502.9	15.0
30°-40°	623.4	18.6
40°-50°	652.3	19.4
50°-60°	568.4	16.9
60°-70°	380.8	11.3
70°-80°	165.0	4.9
80°-90°	31.8	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°	936.0	27.9
0°-40°	1559.3	46.4
0°-60°	2780.0	82.8
0°-90°	3357.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3357.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1162	1162	1162	1162	1162	
5°	1160	1159	1159	1158	1159	111
15°	1141	1140	1141	1142	1144	322
25°	1085	1086	1091	1095	1096	500
35°	988	992	1001	1002	1001	618
45°	842	846	854	847	844	648
55°	643	643	640	633	628	573
65°	389	387	385	382	378	385
75°	148	150	153	152	152	163
85°	24	25	24	25	26	31
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1161.5	1161.5	1161.5	1161.5	1161.5
2.5°	1162.8	1160.7	1160.3	1160.3	1161.5
5°	1160.3	1159.1	1158.6	1158.2	1159.1
7.5°	1157.8	1156.1	1156.6	1155.7	1156.6
10°	1154.5	1152.8	1152.8	1152.8	1154.1
12.5°	1148.7	1147.4	1147.8	1148.7	1150.3
15°	1141.2	1139.5	1140.8	1142.0	1144.1
17.5°	1130.8	1129.6	1131.7	1133.7	1135.4
20°	1118.4	1117.1	1120.9	1123.8	1125.4
22.5°	1103.0	1102.6	1107.6	1110.9	1112.1
25°	1085.2	1085.6	1091.4	1094.7	1096.4
27.5°	1064.8	1065.6	1073.1	1076.0	1077.7
30°	1042.0	1044.1	1051.9	1054.4	1055.7
32.5°	1016.2	1019.2	1028.7	1030.4	1030.4
35°	988.0	991.8	1000.9	1002.1	1001.3
37.5°	956.5	960.6	971.0	969.3	968.1
40°	921.2	925.7	936.1	932.8	930.7
42.5°	883.4	888.0	897.1	892.1	889.2
45°	841.9	846.5	853.9	846.9	843.6
47.5°	797.1	802.5	806.2	798.3	794.2
50°	749.7	751.4	755.1	746.0	741.4
52.5°	698.3	698.3	701.2	691.2	685.8
55°	643.0	642.6	640.1	633.1	628.1
57.5°	584.5	582.0	580.4	572.9	567.1
60°	521.8	518.1	516.0	509.8	505.2
62.5°	456.2	454.2	451.7	446.7	441.7
65°	389.0	386.9	385.2	381.5	377.8
67.5°	322.1	320.9	320.9	318.4	318.0
70°	257.8	258.6	259.0	259.0	253.6
72.5°	199.7	200.1	202.2	200.5	200.1
75°	147.8	150.3	152.8	151.5	151.5
77.5°	106.3	110.0	110.0	109.2	107.9
80°	71.8	73.5	74.7	74.3	73.5
82.5°	45.7	46.9	45.7	46.5	46.9
85°	23.7	25.3	24.5	24.9	26.2
87.5°	7.9	8.7	9.1	8.7	8.7
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)