

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: P189119

Luminaire Tested: **DRI-WS-4L35-UNV-22-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189119
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34832)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: DRI-WS-4L35-UNV-22-T1-STD
Description: DIVIDE RECESSED 2x2 LED LUMINAIRE, WaveStream SPECULAR OPTIC
Light Source: (168) 3500K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

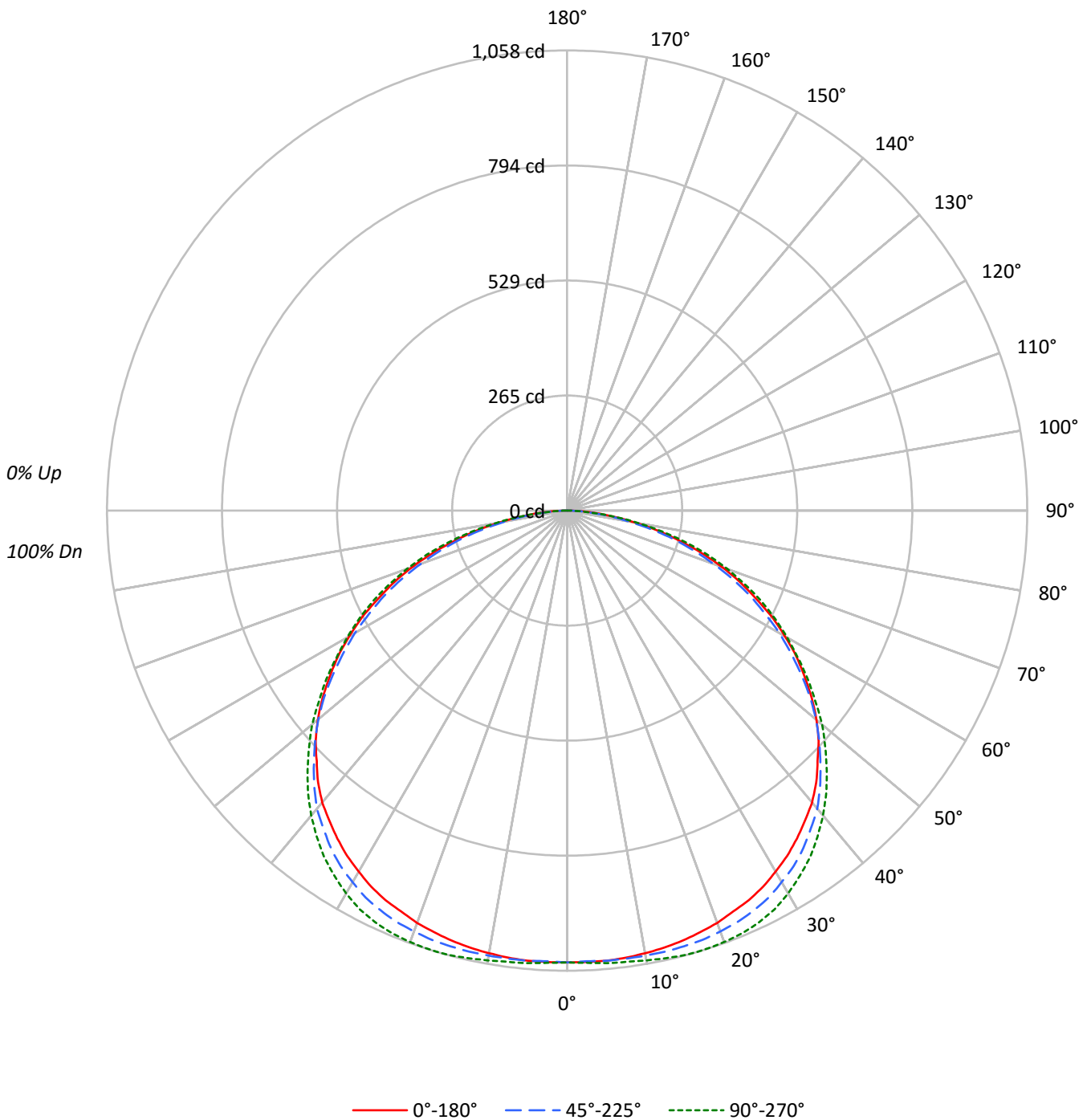
Lumens per Lamp: N/A
Luminaire Lumens: 3500.8 lumens
Efficiency: N/A
Efficacy: 121.1 lumens/watt
Spacing Criteria (0/90/45): 1.37 / 1.43 / 1.5
Luminous Opening: Rectangular (W 1.79' x L: 1.79' x H: 0')
CIE Type: Direct

Input Watts (W): 28.9
Input Voltage (V): NR
Input Current (Ain): 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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	108	103	99	95	106	101	97	93	97	93	90	93	90	88	89	87	85	83
2	98	89	82	76	95	88	81	75	84	78	74	81	76	72	78	74	70	68
3	89	78	70	63	86	76	69	62	73	67	61	71	65	60	68	63	59	57
4	81	69	60	53	79	67	59	52	65	57	52	63	56	51	60	55	50	48
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41
6	69	55	46	39	67	54	45	39	52	44	38	50	43	38	49	43	38	36
7	63	50	41	34	62	49	40	34	47	39	34	46	39	34	44	38	33	31
8	59	45	36	30	57	44	36	30	43	35	30	42	35	30	41	34	30	28
9	55	41	33	27	54	41	33	27	40	32	27	38	32	27	37	31	27	25
10	52	38	30	25	50	37	30	24	36	29	24	36	29	24	35	29	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3484	3484	3484
5°	3497	3497	3516
10°	3518	3537	3575
15°	3554	3600	3671
20°	3600	3674	3767
25°	3657	3753	3864
30°	3711	3820	3935
35°	3770	3877	3985
40°	3834	3916	4007
45°	3861	3906	4003
50°	3906	3896	3994
55°	3896	3841	3950
60°	3879	3778	3917
65°	3802	3683	3906
70°	3707	3505	3835
75°	3444	3274	3661
80°	3072	2783	3217
85°	2593	2089	2231



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.3	2.8
10°-20°	294.0	8.4
20°-30°	468.3	13.4
30°-40°	592.3	16.9
40°-50°	638.0	18.2
50°-60°	593.1	16.9
60°-70°	468.3	13.4
70°-80°	277.3	7.9
80°-90°	70.2	2.0
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°	861.6	24.6
0°-40°	1453.9	41.5
0°-60°	2685.0	76.7
0°-90°	3500.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3500.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1039	1039	1039	1039	1039	
5°	1039	1037	1039	1043	1044	99
15°	1024	1028	1037	1052	1058	290
25°	988	994	1014	1035	1044	456
35°	921	928	947	966	973	577
45°	814	818	824	837	844	630
55°	666	659	657	666	676	596
65°	479	466	464	481	492	475
75°	266	255	253	271	283	283
85°	67	60	54	56	58	78
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1038.9	1038.9	1038.9	1038.9	1038.9
2.5°	1038.9	1038.9	1037.0	1038.9	1040.7
5°	1038.9	1037.0	1038.9	1042.6	1044.5
7.5°	1037.0	1037.0	1038.9	1042.6	1046.4
10°	1033.3	1033.3	1038.9	1046.4	1050.1
12.5°	1029.5	1031.4	1038.9	1048.2	1053.8
15°	1023.9	1027.6	1037.0	1052.0	1057.6
17.5°	1016.4	1022.0	1035.1	1050.1	1057.6
20°	1008.9	1014.5	1029.5	1048.2	1055.7
22.5°	997.7	1005.2	1023.9	1042.6	1052.0
25°	988.3	993.9	1014.5	1035.1	1044.5
27.5°	975.2	982.7	1003.3	1023.9	1033.3
30°	958.4	967.7	986.5	1007.1	1016.4
32.5°	941.5	949.0	969.6	988.3	995.8
35°	920.9	928.4	947.2	965.9	973.4
37.5°	898.5	906.0	920.9	937.8	945.3
40°	876.0	879.8	894.7	907.8	915.3
42.5°	847.9	849.8	861.0	876.0	881.6
45°	814.3	818.0	823.6	836.7	844.2
47.5°	784.3	782.4	786.2	799.3	804.9
50°	748.7	743.1	746.9	756.2	765.6
52.5°	709.4	701.9	703.8	711.3	718.8
55°	666.4	658.9	657.0	666.4	675.7
57.5°	625.2	615.8	610.2	621.5	628.9
60°	578.4	567.2	563.4	576.5	584.0
62.5°	531.6	518.5	512.9	527.9	539.1
65°	479.2	466.1	464.2	481.1	492.3
67.5°	430.5	417.4	411.8	426.8	441.8
70°	378.1	361.3	357.5	378.1	391.2
72.5°	323.8	308.9	305.1	327.6	338.8
75°	265.8	254.6	252.7	271.4	282.6
77.5°	215.3	198.4	198.4	217.1	224.6
80°	159.1	147.9	144.1	159.1	166.6
82.5°	108.6	101.1	97.3	103.0	112.3
85°	67.4	59.9	54.3	56.2	58.0
87.5°	29.9	24.3	18.7	15.0	16.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)