

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: PORTFOLIO

Report Number: P251422

Luminaire Tested: **LD8B60D010 ER8B60840 8LBW0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P251422
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-48)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B60D010 ER8B60840 8LBW0MW
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT
80 CRI 4000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6316.0 lumens
Efficiency: N/A
Efficacy: 106.2 lumens/watt
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.05
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

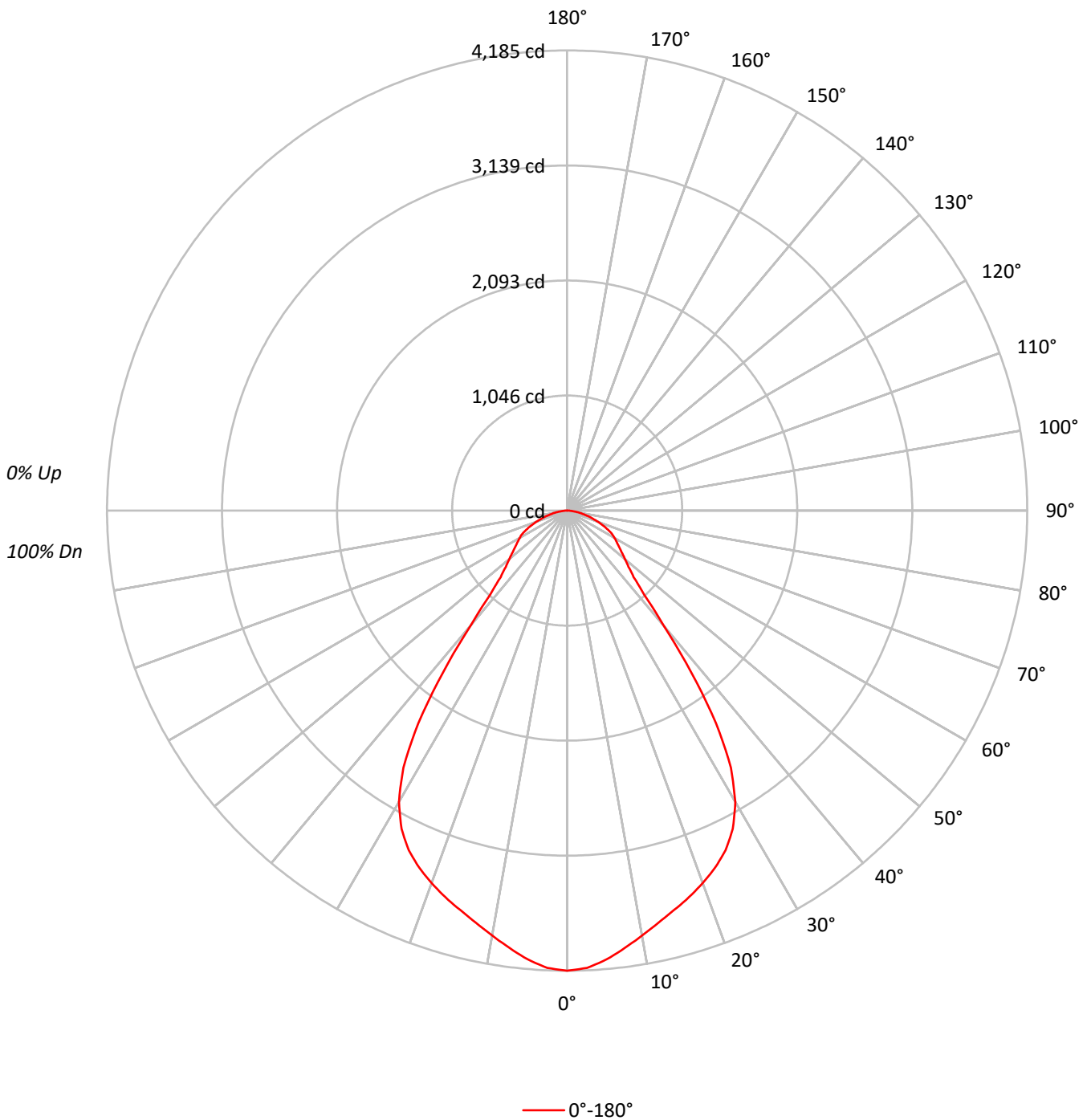
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	107	104	101	109	105	102	99	101	99	96		97	95	93		94	92	91	89
2	103	97	91	87	101	95	90	86	92	87	84		88	85	82		86	83	80	78
3	96	88	81	76	94	86	80	75	83	78	74		81	76	73		78	75	72	70
4	90	80	73	67	88	79	72	67	76	70	66		74	69	65		72	68	64	62
5	84	73	66	60	82	72	65	60	70	64	59		68	63	59		67	62	58	56
6	79	67	60	54	77	66	59	54	65	58	54		63	58	53		62	57	53	51
7	74	62	55	49	72	61	54	49	60	54	49		59	53	49		57	52	48	47
8	69	58	50	45	68	57	50	45	56	50	45		55	49	45		54	48	45	43
9	65	54	47	42	64	53	46	42	52	46	41		51	45	41		50	45	41	40
10	62	50	43	39	61	50	43	39	49	43	38		48	42	38		47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	129044
5°	126872
10°	122881
15°	120038
20°	118329
25°	116005
30°	108921
35°	88908
40°	55075
45°	37303
50°	32866
55°	31015
60°	30762
65°	29821
70°	26732
75°	23149
80°	19569
85°	15603



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	385.6	6.1
10°-20°	1062.0	16.8
20°-30°	1557.4	24.7
30°-40°	1423.6	22.5
40°-50°	704.8	11.2
50°-60°	521.2	8.3
60°-70°	400.6	6.3
70°-80°	208.8	3.3
80°-90°	52.0	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°	3005.0	47.6
0°-40°	4428.6	70.1
0°-60°	5654.5	89.5
0°-90°	6316.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6316.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4185	
5°	4099	386
15°	3760	1062
25°	3410	1557
35°	2362	1424
45°	855	705
55°	577	521
65°	409	401
75°	194	209
85°	44	52
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4184.8
2.5°	4162.8
5°	4098.7
7.5°	4012.5
10°	3924.4
12.5°	3838.2
15°	3760.1
17.5°	3686.0
20°	3605.9
22.5°	3515.7
25°	3409.5
27.5°	3263.3
30°	3059.0
32.5°	2772.5
35°	2361.8
37.5°	1853.0
40°	1368.2
42.5°	1035.7
45°	855.4
47.5°	757.2
50°	685.1
52.5°	627.0
55°	576.9
57.5°	534.9
60°	498.8
62.5°	460.7
65°	408.7
67.5°	352.6
70°	296.5
72.5°	244.4
75°	194.3
77.5°	150.2
80°	110.2
82.5°	76.1
85°	44.1
87.5°	16.0
90°	0.0

(END OF REPORT)