

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: P251432

Luminaire Tested: **LSR8B60D010 EC8B60940 8LBW0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P251432
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: LSR8B60D010 EC8B60940 8LBW0MW
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 4000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5662.0 lumens
Efficiency: N/A
Efficacy: 95.2 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

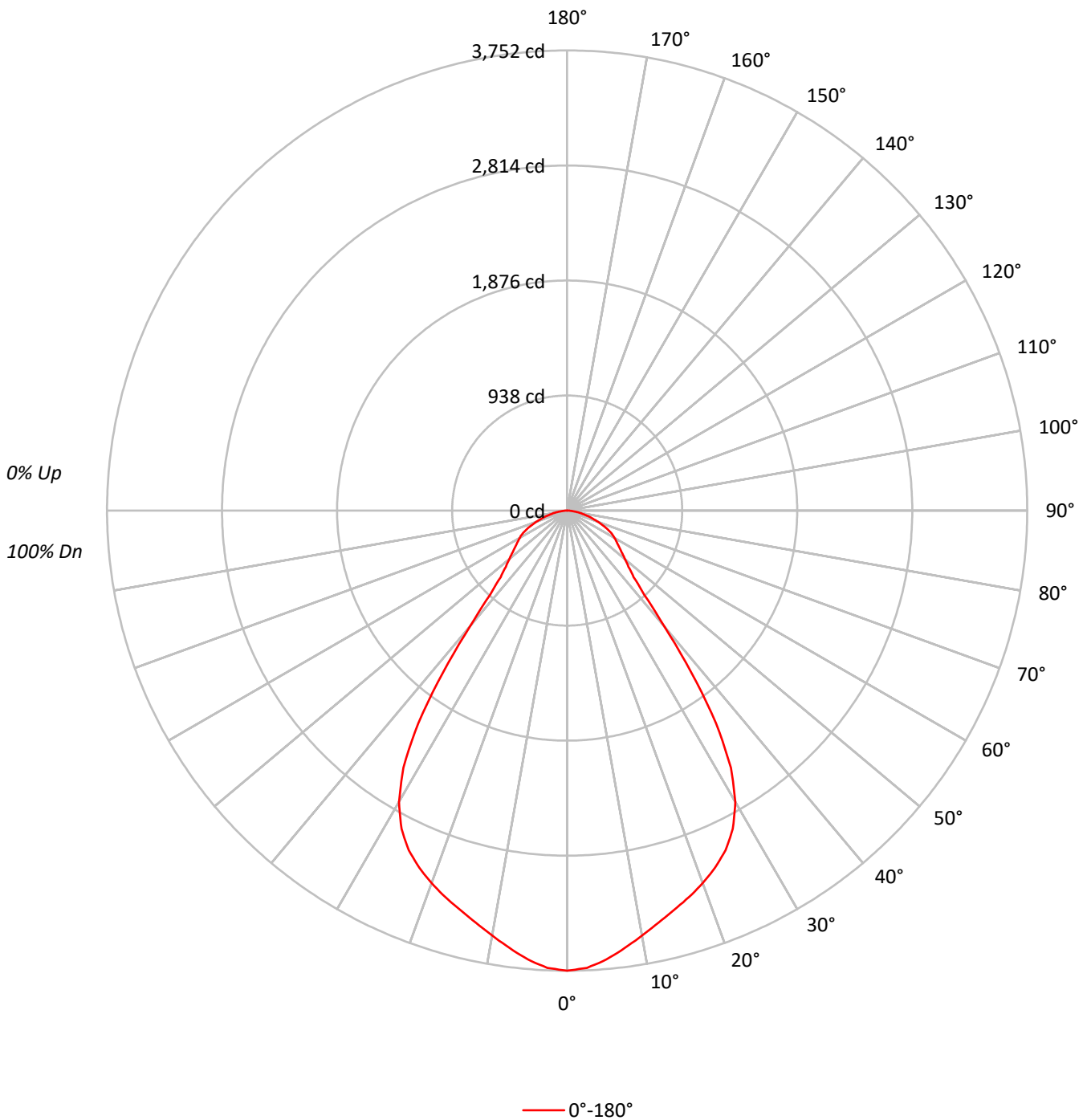
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	115682
5°	113735
10°	110156
15°	107610
20°	106076
25°	103995
30°	97641
35°	79704
40°	49371
45°	33439
50°	29465
55°	27805
60°	27580
65°	26727
70°	23964
75°	20755
80°	17545
85°	13975



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	345.6	6.1
10°-20°	952.0	16.8
20°-30°	1396.2	24.7
30°-40°	1276.2	22.5
40°-50°	631.8	11.2
50°-60°	467.2	8.3
60°-70°	359.1	6.3
70°-80°	187.2	3.3
80°-90°	46.6	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°	2693.8	47.6
0°-40°	3970.0	70.1
0°-60°	5069.0	89.5
0°-90°	5662.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5662.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3752	
5°	3674	346
15°	3371	952
25°	3056	1396
35°	2117	1276
45°	767	632
55°	517	467
65°	366	359
75°	174	187
85°	40	47
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3751.5
2.5°	3731.7
5°	3674.3
7.5°	3597.0
10°	3518.0
12.5°	3440.8
15°	3370.8
17.5°	3304.3
20°	3232.5
22.5°	3151.7
25°	3056.5
27.5°	2925.4
30°	2742.2
32.5°	2485.4
35°	2117.3
37.5°	1661.1
40°	1226.5
42.5°	928.4
45°	766.8
47.5°	678.8
50°	614.2
52.5°	562.1
55°	517.2
57.5°	479.5
60°	447.2
62.5°	413.0
65°	366.3
67.5°	316.1
70°	265.8
72.5°	219.1
75°	174.2
77.5°	134.7
80°	98.8
82.5°	68.2
85°	39.5
87.5°	14.4
90°	0.0

(END OF REPORT)